Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Oct. 1988	Sep. 1988	Oct. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,311	5,251	5,215	60	96	1.1	1.8
Employment	5,016	4,947	4,900	69	116	1.4	2.4
Unemployment	295	304	315	-9	-20	-3.0	-6.3
Unemployment Rate	5.6	5.8	6.0				
Employer Survey Data[e]							
Total	4,721	4,700	4,610	21	111	0.5	2.4
Manufacturing	1,107	1,098	1,097	8	10	0.8	0.9
Durable Goods	742	736	736	6	6	0.9	0.8
Nondurable Goods	365	362	361	2	3	0.6	1.0
Nonmanufacturing	3,615	3,602	3,514	13	101	0.4	2.9
Mining	20	20	20	0	0	0.0	-1.0
Construction	192	192	180	0	12	0.1	6.7
Transportation and Public Utilities	210	210	208	0	2	-0.2	1.2
Wholesale Trade	259	258	251	1	8	0.5	3.1
Retail Trade	880	876	855	4	26	0.5	3.0
Finance, Insurance, and Real Estate	253	252	246	1	7	0.5	2.9
Services	1,106	1,101	1,064	5	42	0.4	3.9
Government	695	693	690	2	5	0.3	0.7
Goods Producing Industries[f]	1,319	1,310	1,297	9	22	0.7	1.7
Service Producing Industries[g]	3,403	3,390	3,313	13	89	0.4	2.7

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1986
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July
5,298	5,000	298	5.6	5.6	August
5,251	4,947	304	5.8	5.4	September
5,311	5,016	295	5.6	5.3	October

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

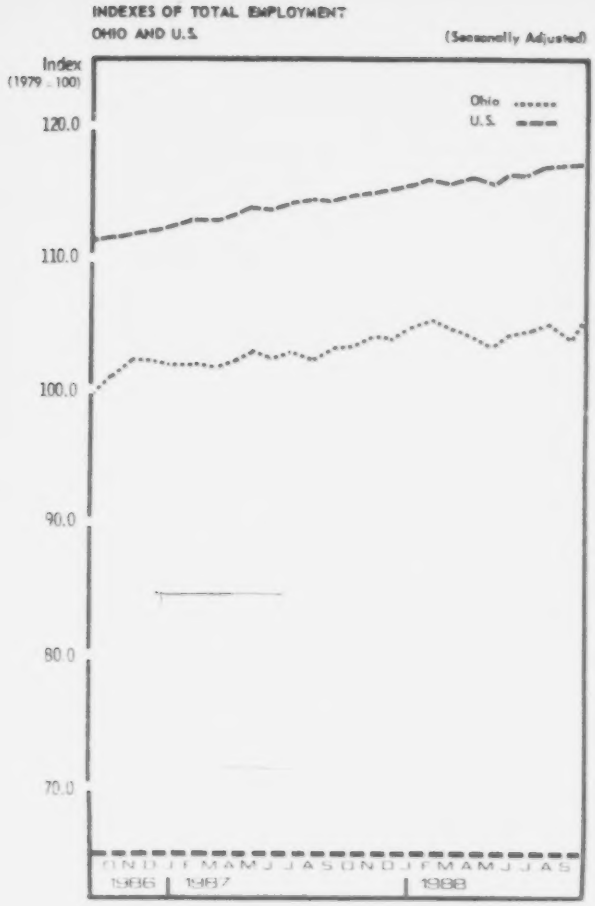
Total Nonagricultural				
	Manufacturing			
		Durable	Nondurable	
				1986
4,495	1,098	740	358	October
4,509	1,102	744	358	November
4,521	1,103	745	357	December
				1987
4,532	1,096	740	356	January
4,549	1,099	742	357	February
4,552	1,093	737	356	March
4,552	1,096	738	357	April
4,560	1,094	736	357	May
4,568	1,092	735	357	June
4,567	1,082	725	358	July
4,589	1,095	734	360	August
4,597	1,097	737	360	September
4,610	1,097	736	361	October
4,626	1,100	738	362	November
4,639	1,103	739	364	December
				1988
4,654	1,104	739	366	January
4,665	1,102	737	364	February
4,667	1,096	732	364	March
4,667	1,099	736	363	April
4,673	1,099	736	362	May
4,682	1,100	737	363	June
4,687	1,099	736	363	July
4,689	1,098	736	362	August
4,700	1,098	736	362	September
4,721	1,107	742	365	October

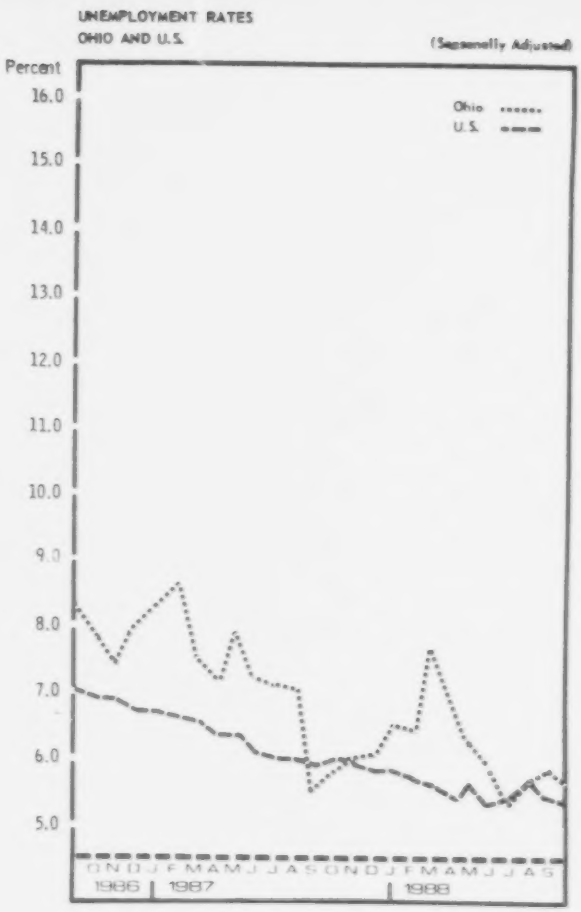
Ohio Nonmanufacturing Wage & Salary Employment

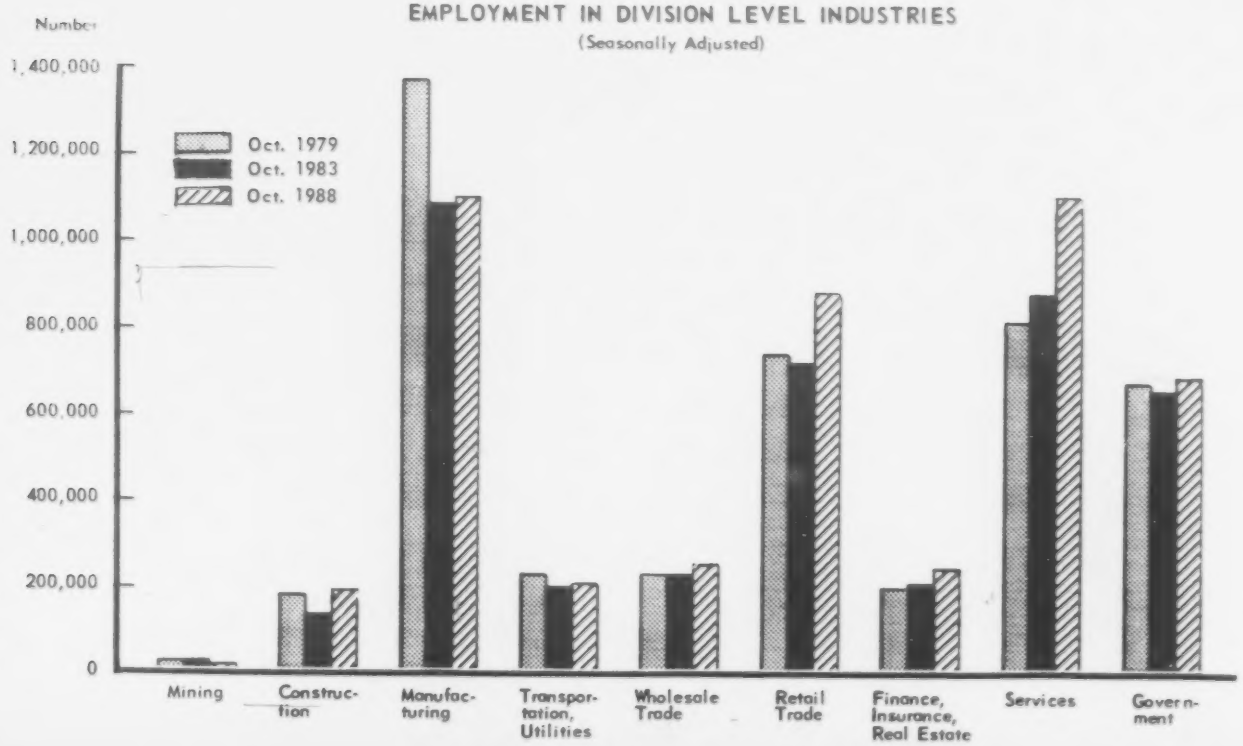
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,588	20	191	210	256	July	873	251	1094	693
3,591	20	191	210	257	August	875	252	1098	688
3,602	20	192	210	258	September	876	252	1101	693
3,615	20	192	210	259	October	880	253	1106	695

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
O N D J F M A M J J A S O N D J F M A M J J A S
1986
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
O N D J F M A M J J A S O N D J F M A M J J A S
1986
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Oct. 1979
Oct. 1983
Oct. 1988
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
4,833	4,520	312	6.5	7.1	1977
4,959	4,690	268	5.4	6.1	1978
5,059	4,760	299	5.9	5.8	1979
5,089	4,663	426	8.4	7.1	1980
5,100	4,608	492	9.6	7.6	1981
5,114	4,474	640	12.5	9.7	1982
5,099	4,478	621	12.2	9.6	1983
5,089	4,609	480	9.4	7.5	1984
5,135	4,680	455	8.9	7.2	1985
5,231	4,806	425	8.1	7.0	1986
5,248	4,881	367	7.0	6.2	1987
					1987
5,243	4,940	302	5.8	5.7	October
5,285	4,980	305	5.8	5.6	November
5,259	4,937	322	6.1	5.4	December
					1988
5,258	4,883	375	7.1	6.3	January
5,279	4,905	374	7.1	6.2	February
5,295	4,879	416	7.9	5.9	March
5,257	4,941	316	6.0	5.3	April
5,243	4,941	302	5.8	5.4	May
5,325	5,002	323	6.1	5.5	June
5,336	5,064	272	5.1	5.5	July
5,343	5,044	299	5.6	5.4	August
5,251	4,952	300	5.7	5.2	September
5,327	5,052	276	5.2	5.0	October

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

Total Nonagricultural	Manufacturing			
		Durable	Nondurable	
4,230.1	1,344.1	945.2	398.9	1977
4,394.9	1,377.2	974.5	402.7	1978
4,484.8	1,382.3	980.5	401.8	1979
4,367.4	1,264.3	882.6	381.8	1980
4,317.7	1,232.6	860.4	372.2	1981
4,124.3	1,099.9	752.4	347.5	1982
4,092.5	1,066.0	723.6	342.4	1983
4,260.2	1,127.0	773.4	353.6	1984
4,372.9	1,124.3	768.7	355.5	1985
4,471.4	1,109.8	752.7	357.1	1986
4,578.9	1,095.3	736.4	358.9	1987
				1987
4,658.8	1,099.8	736.4	363.4	October
4,674.2	1,103.7	740.2	363.6	November
4,676.9	1,102.9	738.6	364.3	December
				1988
4,565.8	1,094.5	732.6	361.9	January
4,568.8	1,092.4	732.3	360.1	February
4,595.8	1,088.8	729.0	359.7	March
4,653.9	1,097.7	737.1	360.6	April
4,704.6	1,099.7	738.4	361.3	May
4,728.6	1,106.7	742.1	364.7	June
4,692.8	1,100.0	736.6	363.3	July
4,693.3	1,101.2	735.6	365.6	August
4,745.2	1,109.4	740.7	368.7	September
4,772.2	1,109.5	742.6	366.9	October

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	
2,886.0	29.1	162.8	219.1	214.6	1977
3,017.7	29.0	176.6	225.0	226.0	1978
3,102.5	31.6	182.9	232.1	232.8	1979
3,103.0	30.7	167.4	223.1	230.6	1980
3,085.1	30.7	153.7	217.2	232.5	1981
3,024.4	30.3	134.6	206.8	226.0	1982
3,026.5	26.6	130.8	198.5	222.5	1983
3,133.1	27.8	144.8	203.9	236.7	1984
3,248.6	26.1	154.0	202.7	243.7	1985
3,361.6	22.6	160.7	203.4	244.3	1986
3,483.6	20.9	177.0	206.9	248.7	1987
					1987
3,559.0	20.7	198.6	210.0	252.4	October
3,570.4	20.8	192.7	209.6	252.2	November
3,573.9	20.5	182.9	209.6	252.8	December
					1988
3,471.3	20.1	163.5	203.3	250.9	January
3,476.4	19.7	158.9	202.3	250.8	February
3,507.1	19.5	165.5	204.5	251.6	March
3,556.2	19.8	179.1	207.2	253.4	April
3,605.0	19.9	191.0	209.3	255.3	May
3,621.9	20.3	200.1	210.9	257.6	June
3,592.8	20.5	209.0	211.2	257.9	July
3,592.0	20.5	212.2	211.7	258.1	August
3,635.9	20.5	211.6	212.5	258.3	September
3,662.8	20.5	212.1	212.7	260.1	October

Retail Trade	Finance, Insurance, & Real Estate	Services	Government
703.2	183.4	731.4	642.3
730.4	191.1	772.1	667.5
742.4	200.6	806.2	674.0
726.6	203.8	830.9	689.9
717.7	205.8	851.6	676.0
703.4	206.4	857.3	659.6
711.0	207.8	873.3	656.1
748.0	211.5	905.2	655.2
787.9	219.3	949.5	665.2
818.6	232.3	1,001.0	678.9
847.7	243.1	1,051.2	688.1
862.3	245.7	1,070.4	698.9
873.9	246.2	1,067.5	707.6
887.8	246.7	1,064.7	708.9
846.2	245.9	1,047.8	693.6
838.0	246.4	1,056.5	703.7
843.1	247.1	1,066.9	708.9
857.3	248.6	1,085.1	705.8
870.9	250.1	1,098.0	710.5
877.4	252.5	1,109.4	693.7
878.8	253.9	1,108.4	653.2
883.8	254.4	1,110.1	641.3
885.7	252.9	1,115.2	679.0
888.1	253.1	1,112.3	703.8

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio[a]

Manufacturing Employment
(in thousands)

Manufacturing				**Production Workers in Manufacturing**		
	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,099.7	738.4	361.3	May	754.3	389.5	32.4
1,106.7	742.1	364.7	June	759.3	396.2	32.9
1,100.0	736.6	363.3	July	751.9	377.8	31.8
1,101.2	735.6	365.6	August	753.6	380.6	32.0
1,109.4	740.7	368.7	September	762.7	398.0	33.0
1,109.5	742.6	366.9	October	762.7	398.9	33.0

Production Workers Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
$283.08	$292.02	$258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
499.70	519.52	455.03	1987
			1987
504.50	524.02	461.07	October
511.49	531.57	466.90	November
512.67	532.36	469.27	December
			1988
507.61	527.11	464.45	January
502.86	525.16	454.27	February
508.56	530.56	460.74	March
516.86	538.22	465.89	April
516.43	540.27	460.90	May
521.77	547.87	464.62	June
502.52	521.85	461.47	July
504.98	525.21	460.22	August
521.77	545.38	469.63	September
523.06	547.12	466.99	October

Production Workers Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
42.6	42.9	41.9	1987
			1987
42.9	43.2	42.3	October
43.2	43.5	42.6	November
43.3	43.6	42.7	December
			1988
42.8	43.1	42.3	January
42.4	42.8	41.6	February
42.7	43.1	42.0	March
43.0	43.3	42.2	April
43.0	43.5	41.9	May
43.3	43.9	42.2	June
42.3	42.6	41.8	July
42.4	42.7	41.8	August
43.3	43.7	42.5	September
43.3	43.7	42.3	October

Production Workers Average Hourly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
$6.74	$6.92	$6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.73	12.11	10.86	1987
			1987
11.76	12.13	10.90	October
11.84	12.22	10.96	November
11.84	12.21	10.99	December
			1988
11.86	12.23	10.98	January
11.86	12.27	10.92	February
11.91	12.31	10.97	March
12.02	12.43	11.04	April
12.01	12.42	11.00	May
12.05	12.48	11.01	June
11.88	12.25	11.04	July
11.91	12.30	11.01	August
12.05	12.48	11.05	September
12.08	12.52	11.04	October

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.6	100.4	134.6	September	158.4	85.3	138.0	September	67.4	71.5	94.3
48.5	100.3	134.7	October	158.9	85.6	139.2	October	65.4	71.7	94.8

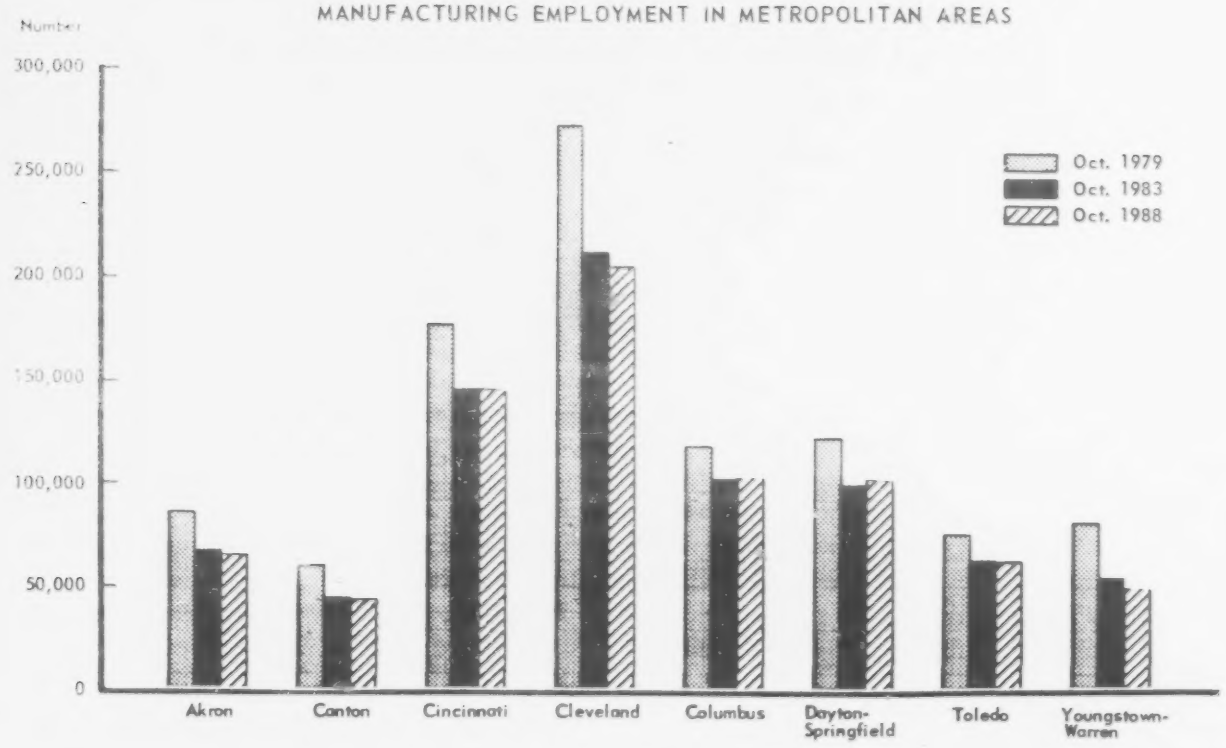
Average Weekly Earnings of Production Workers

$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
470.18	634.11	524.71	October	535.04	472.92	693.82	October	435.14	449.46	451.97

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES

MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	4772.2	4745.2	4658.8	27.0	113.4
MANUFACTURING	1109.5	1109.4	1099.8	.1	9.6
Durable Goods[e]	742.6	740.7	736.4	1.9	6.2
Lumber and wood products	23.0	22.9	20.6	.1	2.4
Furniture and fixtures	14.3	14.4	14.6	- .1	- .3
Stone, clay, and glass products	48.5	48.6	48.2	.0	.3
Glass and glassware, pressed or blown.	9.6	9.5	9.8	.1	- .1
Primary metal industries	100.3	100.4	97.5	.0	2.8
Blast furnace and basic steel products	44.9	45.1	43.7	- .2	1.2
Iron and steel foundries	21.6	21.8	20.3	- .1	1.3
Nonferrous rolling and drawing	18.2	18.1	17.9	.0	.2
Fabricated metal products	134.7	134.6	134.1	.1	.6
Cutlery, hand tools, and hardware	9.9	9.9	9.8	.0	.1
Fabricated structural metal products	28.5	28.7	29.4	- .1	- .8
Metal forgings and stampings	42.4	42.2	42.4	.2	.0
Machinery, except electrical	158.9	158.4	153.9	.5	5.0
Construction and related machinery	12.6	12.7	12.3	- .1	.3
Metalworking machinery	40.5	40.2	39.4	.3	1.1
Special industry machinery	18.0	17.9	16.5	.1	1.5
General industrial machinery	28.1	28.1	27.2	.0	.9
Office and computing machines	13.1	13.3	13.7	- .2	- .6
Refrigeration and service machinery	15.9	15.9	15.9	.0	- .1
Electric and electronic equipment	85.6	85.3	85.4	.4	.2
Electrical industrial apparatus	17.1	17.2	16.0	- .1	1.1
Household appliances	15.3	15.4	16.0	- .1	- .7
Electric lighting and wiring equipment	17.5	17.0	16.9	.5	.6
Communication equipment	9.8	9.8	10.1	.0	- .3
Transportation equipment	139.2	138.0	144.4	1.2	- 5.2
Motor vehicles and equipment	93.0	91.4	92.7	1.6	.3
Aircraft and parts	36.9	37.4	42.0	- .5	- 5.0
Instruments and related products	23.3	23.4	23.1	- .1	.2
Measuring and controlling devices	12.7	12.8	12.9	- .1	- .2
Nondurable Goods[f]	366.9	368.7	363.4	- 1.8	3.5
Food and kindred products	65.4	67.4	64.0	- 1.9	1.5
Meat products	9.1	9.4	9.6	- .3	- .6
Dairy products	10.9	11.0	10.5	- .1	.4
Preserved fruits and vegetables	12.1	13.6	11.1	- 1.5	1.0
Bakery products	9.2	9.4	9.1	- .2	.0
Beverages	9.6	9.7	9.4	.0	.2
Apparel and other textile products	16.9	16.8	16.4	.1	.4
Paper and allied products	37.5	37.3	37.4	.2	.1
Misc. converted paper products	12.4	12.4	12.2	.0	.2
Paperboard containers and boxes	13.1	13.0	13.1	.0	.0
Printing and publishing	71.7	71.5	71.1	.2	.6
Newspapers	19.4	19.3	19.3	.1	.1
Commercial printing	26.7	26.6	26.4	.2	.3
Chemicals and allied products	63.6	64.3	63.4	- .7	.2
Industrial inorganic chemicals	8.6	9.3	9.3	- .7	- .7
Rubber and misc. plastics products	94.8	94.3	94.2	.5	.6
Tires and inner tubes	17.2	17.2	17.1	.0	.1
Miscellaneous plastics products	56.8	56.4	56.4	.4	.4

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3662.8	3635.9	3559.0	26.9	103.8
MINING	20.5	20.5	20.7	.0	- .1
Bituminous coal and lignite mining	8.5	8.6	8.8	- .1	- .2
Oil and gas extraction	6.9	6.9	6.8	.0	.1
CONSTRUCTION	212.1	211.6	198.6	.5	13.6
General building contractors	52.5	52.2	48.5	.3	4.1
Heavy construction contractors	29.9	30.5	28.3	- .6	1.6
Highway and street construction	14.3	14.8	12.7	- .5	1.5
Special trade contractors	129.7	128.9	121.8	.8	7.9
TRANSPORTATION AND PUBLIC UTILITIES	212.7	212.5	210.0	.2	2.7
Railroad transportation	13.3	13.5	14.1	- .1	- .7
Transportation, except railroads	110.6	109.4	106.5	1.1	4.0
Trucking and warehousing	75.8	75.4	74.3	.4	1.5
Communication, electric, gas services	88.8	89.6	89.4	- .8	- .6
Communication	47.1	47.6	47.5	- .5	- .4
Electric, gas, and sanitary services	41.7	42.0	41.9	- .2	- .2
WHOLESALE TRADE	260.1	258.3	252.4	1.8	7.7
Wholesale trade-durable goods	163.1	162.2	158.9	.9	4.2
Motor vehicles & automotive equipment	22.5	22.3	22.0	.2	.4
Electrical goods	19.5	19.4	19.6	.2	- .1
Machinery, equipment, and supplies	69.5	69.3	67.7	.3	1.8
Wholesale trade-nondurable goods	97.0	96.1	93.5	.9	3.5
Groceries and related products	30.4	30.2	29.4	.2	1.0
RETAIL TRADE	888.1	885.7	862.3	2.3	25.7
General merchandise stores	121.8	119.0	121.7	2.8	.1
Department stores	105.2	103.1	105.8	2.1	- .6
Food stores	136.8	136.3	132.2	.5	4.6
Automotive dealers & service stations	97.2	97.4	94.3	- .2	2.9
Apparel and accessory stores	45.3	44.4	42.7	.9	2.6
Eating and drinking places	309.2	313.9	300.6	- 4.7	8.6
FINANCE, INSURANCE, AND REAL ESTATE	253.1	252.9	245.7	.2	7.4
Banking	64.5	64.6	63.3	- .2	1.2
Credit agencies other than banks	37.8	38.2	37.5	- .4	.3
Insurance carriers	69.9	69.5	68.3	.5	1.6
Life insurance	25.9	25.7	25.7	.2	.2
Fire, marine, and casualty insurance	31.0	31.0	30.3	.0	.6
SERVICES	1112.3	1115.2	1070.4	- 2.9	41.9
Hotels and other lodging places	35.6	36.6	34.5	- 1.0	1.1
Personal services	59.2	58.5	56.8	.7	2.4
Laundry, cleaning, & garment services	19.7	19.5	19.3	.2	.5
Business services	229.9	229.7	216.5	.2	13.4
Services to buildings	31.9	32.1	29.9	- .1	2.0
Computer and data processing services	21.2	21.0	19.2	.2	2.0
Amusement and recreation services	39.1	51.4	38.8	- 12.3	.3
Health services	375.4	374.3	365.0	1.1	10.4
Nursing and personal care facilities	83.3	83.4	80.8	- .1	2.5
Hospitals	180.3	180.0	178.4	.2	1.9
Educational services	65.9	59.9	64.2	6.1	1.7
Colleges and universities	36.6	31.7	35.2	4.9	1.4
GOVERNMENT	703.8	679.0	698.9	24.8	4.8
Federal government	94.5	94.5	94.8	.0	- .2
State government	161.6	146.5	158.1	15.2	3.5
State government education[1]	87.8	71.5	84.9	16.3	2.9
State government, except education	73.8	74.9	73.2	- 1.1	.6
Local government	447.6	438.0	446.1	9.6	1.6
Local government education	260.9	250.2	262.0	10.7	- 1.1
Local government, except education	186.7	187.9	184.1	- 1.1	2.6

See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$523.06	$521.77	$504.50	43.3	43.3	42.9	$12.08	$12.05	$11.76
Durable Goods[e]	547.12	545.38	524.02	43.7	43.7	43.2	12.52	12.48	12.13
Lumber and wood products	330.65	322.21	301.84	42.5	41.9	40.9	7.78	7.69	7.38
Furniture and fixtures	365.89	382.05	362.30	40.7	41.8	41.5	8.99	9.14	8.73
Stone, clay, and glass products	470.18	470.42	451.76	42.9	43.0	42.3	10.96	10.94	10.68
Glass and glassware, pressed or blown.	508.69	523.77	464.13	43.0	44.2	39.5	11.83	11.85	11.75
Primary metal industries	634.11	632.80	601.12	45.1	45.2	44.2	14.06	14.00	13.60
Blast furnace and basic steel products	643.42	648.17	621.09	44.9	45.2	44.3	14.33	14.34	14.02
Iron and steel foundries	669.76	658.08	620.71	46.0	45.7	44.4	14.56	14.40	13.98
Nonferrous rolling and drawing	664.25	660.98	614.45	43.5	43.4	42.7	15.27	15.23	14.39
Fabricated metal products	524.71	517.97	503.43	43.4	43.2	42.7	12.09	11.99	11.79
Cutlery, hand tools, and hardware	498.52	503.74	491.83	41.2	41.7	41.4	12.10	12.08	11.88
Fabricated structural metal products	465.72	456.12	465.91	42.3	42.0	43.1	11.01	10.86	10.81
Metal forgings and stampings	646.25	638.03	612.70	44.6	44.4	43.3	14.49	14.37	14.15
Machinery, except electrical	535.04	530.64	510.85	44.0	44.0	43.7	12.16	12.06	11.69
Construction and related machinery	432.07	434.36	417.79	40.8	40.9	41.0	10.59	10.62	10.19
Metalworking machinery	522.76	513.90	493.88	45.3	45.0	43.9	11.54	11.42	11.25
Special industry machinery	519.10	536.36	503.09	45.1	46.0	43.9	11.51	11.66	11.46
General industrial machinery	540.94	547.67	528.26	43.0	43.5	43.3	12.58	12.59	12.20
Office and computing machines	453.11	458.81	434.39	41.8	41.9	44.1	10.84	10.95	9.85
Refrigeration and service machinery	613.24	605.68	561.89	43.4	43.7	42.6	14.13	13.86	13.19
Electric and electronic equipment	472.92	474.47	466.07	42.0	42.1	41.8	11.26	11.27	11.15
Electrical industrial apparatus	488.19	491.73	477.79	44.1	44.3	43.2	11.07	11.10	11.06
Household appliances	489.23	487.59	475.97	40.6	40.7	40.2	12.05	11.98	11.84
Electric lighting and wiring equipment	483.00	472.27	472.63	42.0	41.5	41.9	11.50	11.38	11.28
Communication equipment	458.99	478.18	512.40	39.5	40.8	42.0	11.62	11.72	12.20
Transportation equipment	693.82	698.88	652.50	45.2	45.5	44.6	15.35	15.36	14.63
Motor vehicles and equipment	730.05	737.56	673.79	45.8	46.3	44.8	15.94	15.93	15.04
Aircraft and parts	598.25	599.00	614.59	43.7	43.5	44.6	13.69	13.77	13.78
Instruments and related products	380.37	374.10	369.46	40.9	40.4	40.6	9.30	9.26	9.10
Measuring and controlling devices	370.67	362.21	349.72	39.9	39.2	38.6	9.29	9.24	9.06
Nondurable Goods[f]	466.99	469.63	461.07	42.3	42.5	42.3	11.04	11.05	10.90
Food and kindred products	435.14	446.45	432.22	41.8	42.6	41.6	10.41	10.48	10.39
Meat products	360.09	364.56	376.07	41.2	41.1	40.7	8.74	8.87	9.24
Dairy products	451.96	456.03	464.81	42.2	42.9	42.8	10.71	10.63	10.86
Preserved fruits and vegetables	435.35	461.47	414.16	41.7	44.5	39.9	10.44	10.37	10.38
Bakery products	467.60	464.53	461.09	40.0	39.3	40.2	11.69	11.82	11.47
Beverages	448.51	440.54	416.15	41.8	41.6	40.6	10.73	10.59	10.25
Apparel and other textile products	308.39	304.91	295.02	40.9	40.6	39.6	7.54	7.51	7.45
Paper and allied products	501.60	514.59	498.85	44.0	45.1	44.7	11.40	11.41	11.16
Misc. converted paper products	430.84	447.23	431.57	42.7	44.5	42.9	10.09	10.05	10.06
Paperboard containers and boxes	442.30	452.02	445.09	42.9	43.8	44.2	10.31	10.32	10.07
Printing and publishing	449.46	452.63	442.18	39.6	39.6	39.8	11.35	11.43	11.11
Newspapers	381.23	383.02	378.43	34.5	34.6	35.4	11.05	11.07	10.69
Commercial printing	449.49	457.75	438.19	41.2	41.5	41.3	10.91	11.03	10.61
Chemicals and allied products	550.29	555.53	544.84	42.2	42.7	42.4	13.04	13.01	12.85
Industrial inorganic chemicals	598.98	594.00	617.75	44.8	44.0	44.7	13.37	13.50	13.82
Rubber and misc. plastics products	451.97	453.96	453.44	43.5	43.4	43.6	10.39	10.46	10.40
Tires and inner tubes	677.51	684.78	660.61	46.5	46.3	46.1	14.57	14.79	14.33
Miscellaneous plastics products	435.60	436.60	435.02	43.3	43.1	43.2	10.06	10.13	10.07

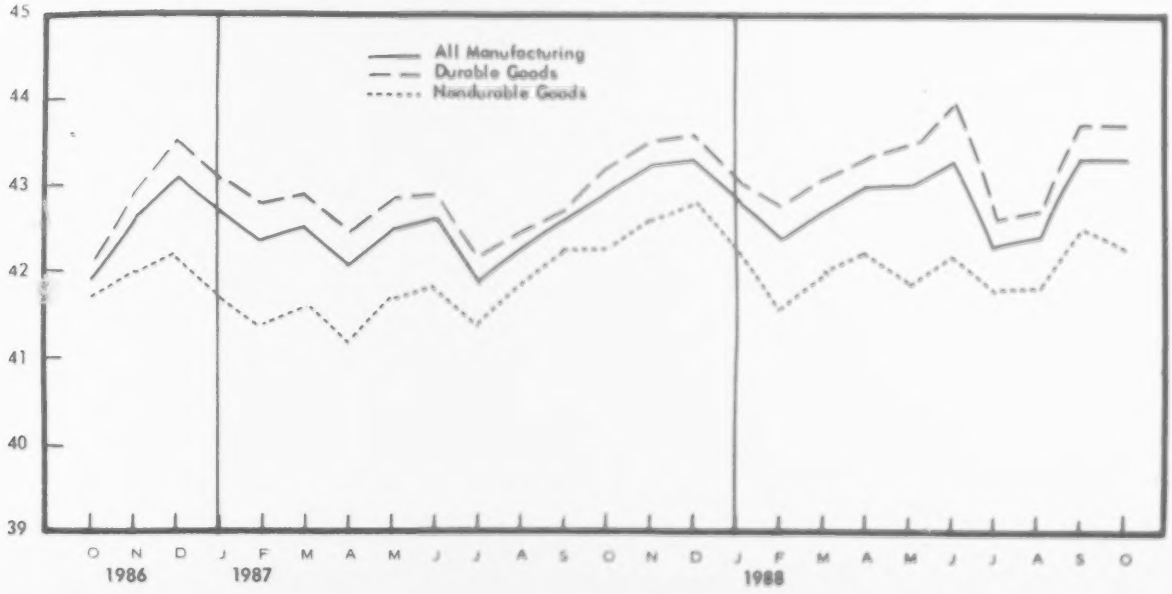
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MINING	$546.51	$549.50	$538.53	43.1	43.2	43.5	$12.68	$12.72	$12.38
Bituminous coal and lignite mining	650.81	645.81	639.66	41.4	40.9	42.0	15.72	15.79	15.23
CONSTRUCTION	622.50	604.49	586.53	40.9	39.9	39.9	15.22	15.15	14.70
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	571.84	579.10	557.74	40.7	41.1	40.8	14.05	14.09	13.67
Communication	549.37	563.29	542.70	40.1	40.7	40.2	13.70	13.84	13.50
Electric, gas, and sanitary services	599.68	596.77	576.85	41.5	41.5	41.5	14.45	14.38	13.90
WHOLESALE TRADE	399.45	395.46	385.52	39.2	39.0	39.5	10.19	10.14	9.76
Wholesale trade-durable goods	389.00	387.44	378.63	38.9	38.9	39.4	10.00	9.96	9.61
Wholesale trade-nondurable goods	418.30	408.86	397.79	39.8	39.2	39.7	10.51	10.43	10.02
RETAIL TRADE[h]	167.88	167.61	163.88	28.6	28.7	28.7	5.87	5.84	5.71
General merchandise stores	179.00	180.91	177.89	28.1	28.4	28.6	6.37	6.37	6.22
Department stores	184.88	185.61	182.82	28.4	28.6	28.7	6.51	6.49	6.37
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	263.52	265.37	260.75	....	....	....	.....	.....	.....
Credit agencies other than banks	271.36	272.19	253.83	....	....	....	.....	.....	.....
Insurance carriers	378.49	376.59	353.27	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	340.96	343.35	331.91	33.2	33.4	32.7	10.27	10.28	10.15

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Ohio Metropolitan Statistical Areas and County Populations

Census Counts and Intercensal Estimates

Continuing growth has returned Ohio's population to near-1980 census levels. According to 1987 population estimates developed jointly by the Bureau of the Census and the Ohio Data Users Center, the population in Ohio increased significantly during 1984-1987, following a decline during the 1982-1983 time period.

The most recent 1987 estimate places Ohio's population at 10,784,000. The population had dropped to an estimated low of 10,741,000 in 1983. The 1980 census count was 10,797,604.

According to the 1987 estimates, two counties that had been losing population since 1980 registered gains between 1986-1987. Lorain and Marion Counties now show positive growth rates that, while relatively small, may indicate a significant change of direction from a six year trend of declining populations.

Of the sixteen Metropolitan Statistical Areas in Ohio or which contain Ohio counties, eight have positive growth rates from 1986 to 1987, seven have negative growth rates, and one, Toledo, remains nearly unchanged.

The largest relative growth areas include Hamilton-Middletown, Columbus, and Cincinnati. The largest percentage loss from 1986 to 1987 was in the Steubenville-Weirton area, followed by Huntington-Ashland and Wheeling.

Growth rates between 1986 and 1987

Ohio	0.3%
Counties with the Largest Growth Rates	
Clermont	2.6%
Warren	2.4%
Delaware	2.0%
Adams	2.0%
Highland	2.0%
Counties with the Largest Percentage Loss	
Harrison	-3.7%
Monroe	-1.9%
Jefferson	-1.2%

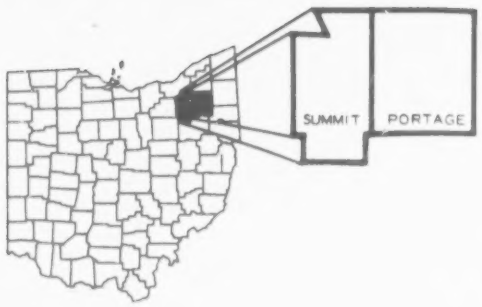
To obtain a copy of this publication, please contact:

Ohio Data Users Center
Ohio Department of Development
P.O. Box 1001
Columbus, Ohio 43266-0101
(614) 466-2115

or contact us at:

Ohio Bureau of Employment Services
Labor Market Information Division
145 S Front Street
Columbus, Ohio 43216
(614) 644-2689

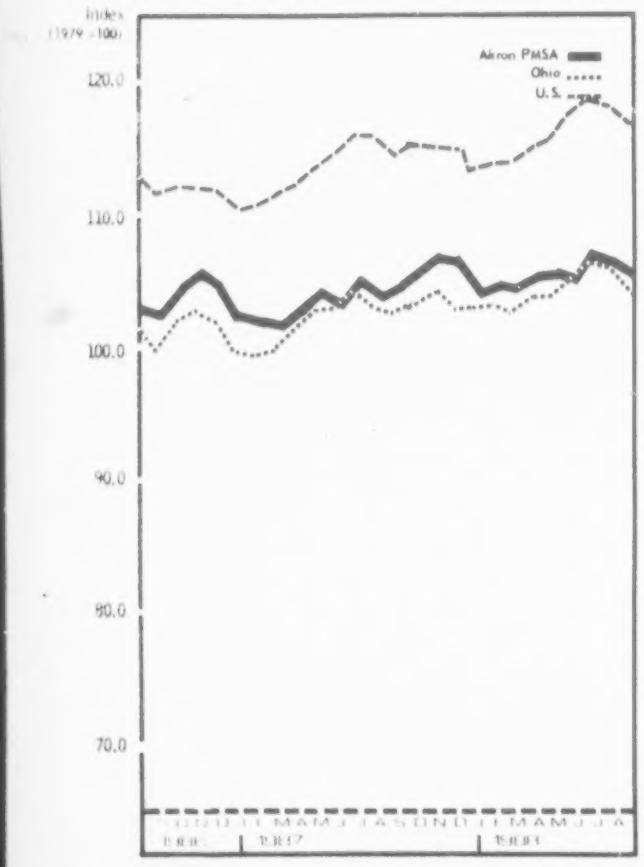
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



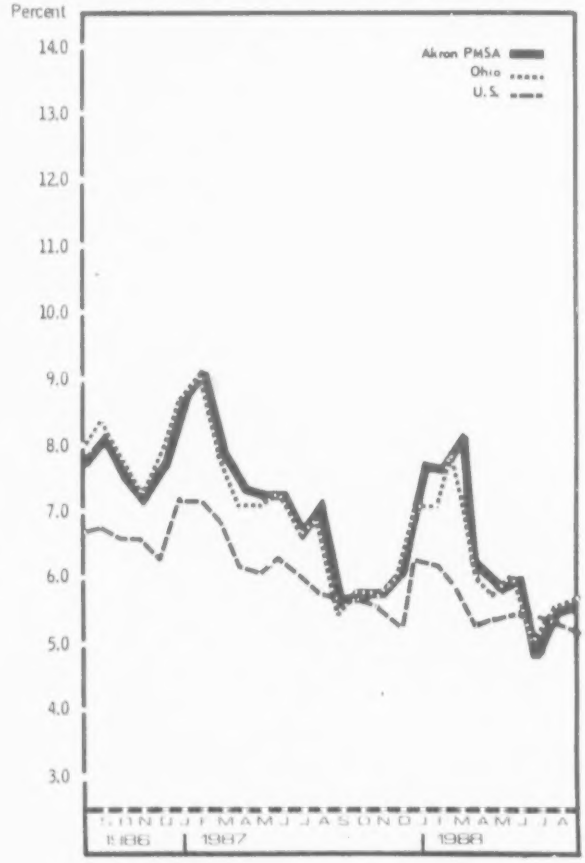
In the Akron metropolitan area, nonfarm payroll employment totaled 275,800 in October 1988, down 100 from September. The decline occurred in the nonmanufacturing sector as seasonal losses in amusement and recreation services outweighed scattered increases. Manufacturing employment was unchanged over the month, at 66,300. Factory production worker average hourly earnings, at $11.43 per hour, were $.09 higher than in September. Their average workweek of 42.9 hours was .3 hours shorter.

Nonagricultural wage and salary employment advanced 4,700 between October 1987 and October 1988. A major portion of the growth occurred in services and retail trade. Noteworthy gains were also recorded in construction and wholesale trade. The manufacturing workforce declined 400 over the year. Moderate improvements in nonelectrical machinery and miscellaneous plastics products were negated by reductions in other durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



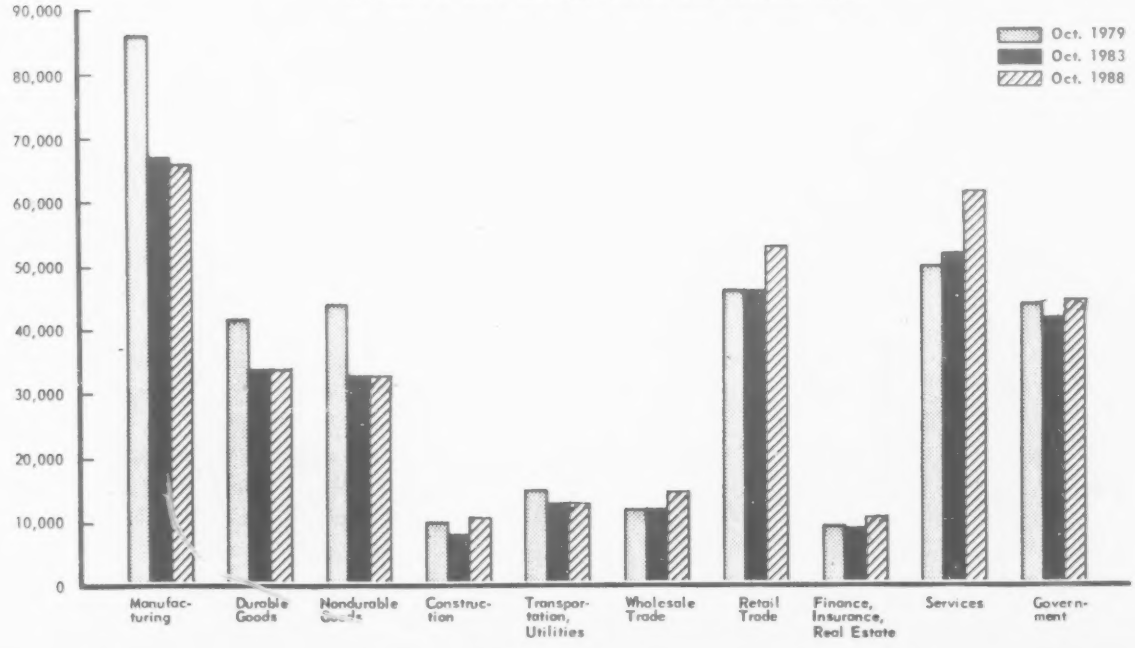
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.2	303.4	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
318.6	300.9	17.7	5.6	September	275.9	66.3	36.3	489.89	43.2	11.34
INA	INA	INA	INA	October	275.8	66.3	36.4	490.35	42.9	11.43

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	275.8	275.9	271.0	- .1	4.7
MANUFACTURING	66.3	66.3	66.7	.0	- .4
Durable Goods[e]	33.6	33.6	34.5	.0	- 1.0
Fabricated metal products	11.3	11.3	11.9	.0	- .5
Machinery, except electrical	10.2	10.3	9.5	- .1	.8
Metalworking machinery	3.7	3.6	3.4	.1	.3
Nondurable Goods[f]	32.8	32.7	32.2	.1	.5
Food and kindred products	2.9	2.9	3.1	.0	- .1
Chemicals and allied products	2.9	2.9	3.1	.0	- .2
Rubber and misc. plastics products	21.2	21.1	20.5	.1	.7
Tires and inner tubes	12.7	12.7	12.7	.0	.0
NONMANUFACTURING[g]	209.4	209.6	204.3	- .1	5.1
CONSTRUCTION	10.7	10.6	10.0	.1	.7
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	13.1	.0	.0
Communication, electric, gas services	5.3	5.3	5.3	- .1	.0
WHOLESALE TRADE	14.8	14.6	14.1	.2	.7
RETAIL TRADE	53.3	53.2	52.4	.1	.9
General merchandise stores	6.3	6.2	6.5	.1	- .2
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.6	.0	.2
Banking	3.2	3.2	3.1	.0	.1
SERVICES	61.4	62.5	59.1	- 1.1	2.4
Business services	12.1	12.1	11.6	.0	.5
Amusement and recreation services	3.5	4.6	3.3	- 1.2	.2
Health services	20.7	20.6	19.7	.1	1.0
GOVERNMENT	44.6	44.1	44.5	.5	.1
State government	16.9	16.5	16.5	.4	.4
State government education[i]	14.0	13.5	13.6	.5	.4
State government, except education	2.9	3.0	2.9	- .1	.0
Local government	25.3	25.3	25.7	.1	- .4
Local government education	14.6	14.4	14.5	.2	.2
Local government, except education	10.7	10.8	11.2	- .1	- .5

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

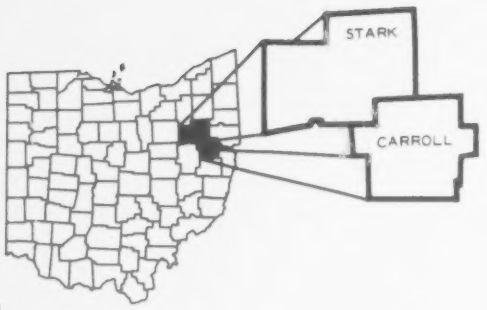
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$490.35	$489.89	$487.73	42.9	43.2	43.2	$11.43	$11.34	$11.29
Durable Goods[e]	502.79	499.25	500.55	42.9	43.3	43.3	11.72	11.53	11.56
Fabricated metal products	639.84	629.75	589.90	43.0	44.1	42.5	14.88	14.28	13.88
Machinery, except electrical	466.14	467.62	472.44	45.3	45.4	46.5	10.29	10.30	10.16
Metalworking machinery	483.51	493.10	475.07	45.4	46.3	45.9	10.65	10.65	10.35
Nondurable Goods[f]	472.08	476.44	467.41	42.8	43.0	43.0	11.03	11.08	10.87
Food and kindred products	449.02	464.83	470.41	42.4	43.2	43.8	10.59	10.76	10.74
Chemicals and allied products	503.16	522.41	510.35	42.0	43.9	42.6	11.98	11.90	11.98
Rubber and misc. plastics products	493.48	496.13	490.39	44.1	44.1	44.1	11.19	11.25	11.12
Tires and inner tubes	784.13	788.18	738.02	49.1	49.2	47.4	15.97	16.02	15.57
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	583.16	587.64	572.52	41.3	41.5	41.1	14.12	14.16	13.93
WHOLESALE TRADE	343.31	347.26	334.27	36.6	37.1	37.1	9.38	9.36	9.01
RETAIL TRADE[h]	202.86	199.68	201.83	32.2	32.0	32.5	6.30	6.24	6.21

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,313	1,891	2,947
Active File of Job Seekers	15,316	15,294	17,920
Referrals to Jobs	1,358	1,288	1,563
Placements	471	465	612
Job Openings Received	522	520	748
Job Openings Unfilled	1,094	1,531	1,288
Unemployment Insurance Program			
Initial Claims	2,282	1,720	2,438
Continued Claims	14,339	15,822	20,908
First Payments	939	861	958
Last Payments	293	305	497
Weeks Compensated	11,416	13,373	18,454
Benefits Paid	$1,682,646	$1,995,519	$2,780,952
Average Weekly Payment	$152.04	$153.47	$155.04

CANTON
METROPOLITAN STATISTICAL AREA

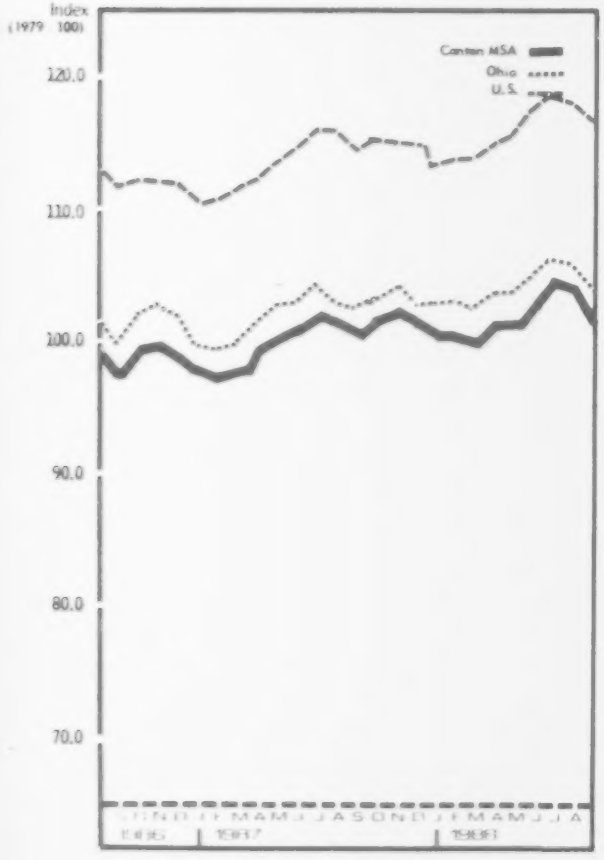


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

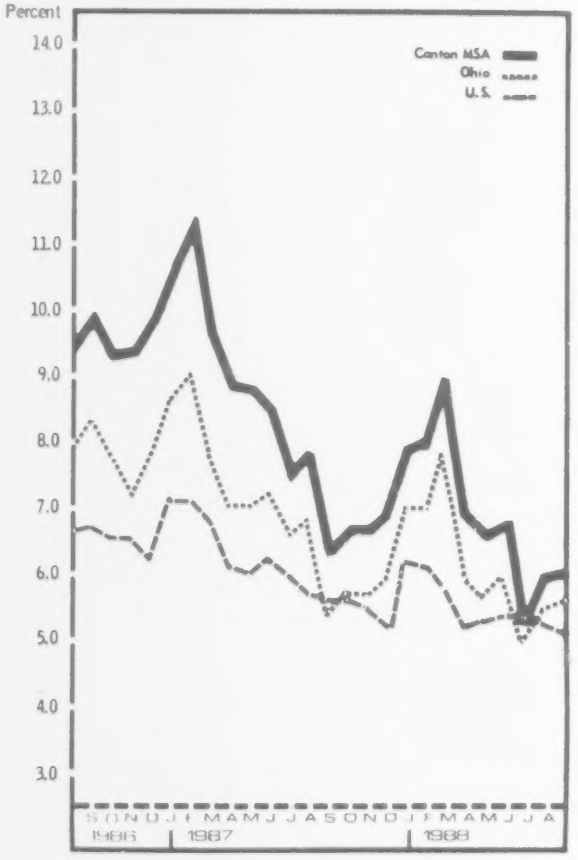
Nonagricultural wage and salary employment in the Canton metropolitan area increased 800 from September, to 162,500 in October 1988. The improvement occurred in the nonmanufacturing sector due to the return of nonteaching personnel in local schools and modest growth in services. The manufacturing employment level of 43,800 was unchanged from September. Factory production workers averaged $11.50 per hour, up $.06 from last month. Their average workweek of 43.0 hours was .4 hours longer.

Total nonfarm payroll employment advanced 3,900 between October 1987 and October 1988. Primary growth industries were services, construction, and retail trade. The manufacturing workforce gained 100 jobs over the year, with modest improvement in primary metal industries and scattered increases in nondurable goods. Employment in fabricated metal products declined during the period.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

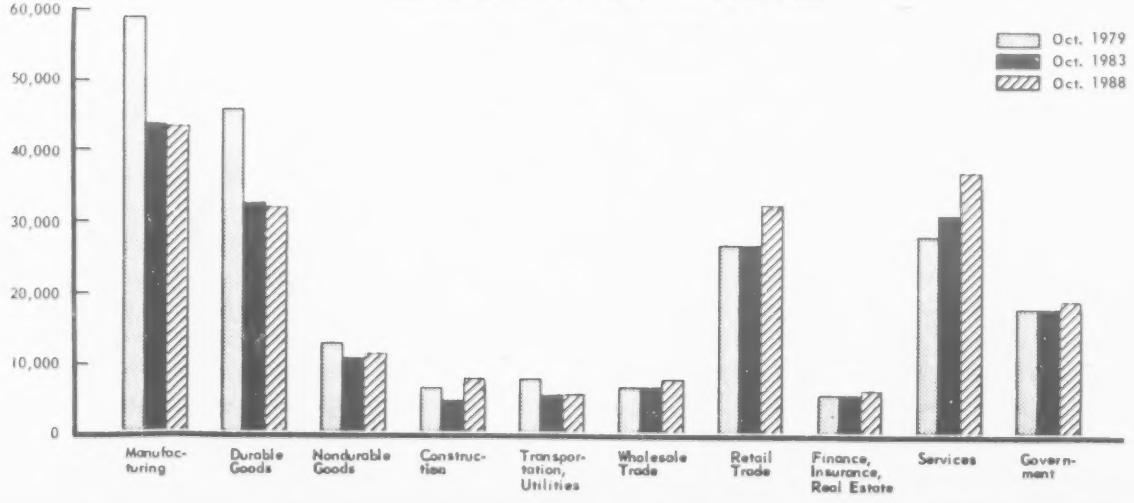


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.0	180.4	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
187.5	176.1	11.5	6.1	September	161.6	43.8	31.2	487.34	42.6	11.44
INA	INA	INA	INA	October	162.5	43.8	31.2	494.50	43.0	11.50

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	162.5	161.6	158.6	.8	3.9
MANUFACTURING	43.8	43.8	43.7	.0	.1
Durable Goods[e]	32.1	32.1	32.3	- .1	- .2
Primary metal industries	10.8	10.8	10.5	.0	.3
Fabricated metal products	6.2	6.3	6.6	- .1	- .3
Metal forgings and stampings	2.0	2.1	2.1	.0	- .1
Nondurable Goods[f]	11.8	11.7	11.5	.1	.3
Food and kindred products	3.3	3.4	3.3	- .1	.0
Rubber and misc. plastics products	3.0	3.0	3.0	.0	.0
NONMANUFACTURING[g]	118.6	117.8	114.9	.8	3.7
CONSTRUCTION	8.1	8.2	7.2	- .1	.9
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	5.8	.1	.4
Communication, electric, gas services	2.8	2.8	2.6	.0	.2
WHOLESALE TRADE	8.3	8.2	8.2	.1	.0
Wholesale trade-durable goods	4.6	4.6	4.6	.0	.0
RETAIL TRADE	32.4	32.4	31.7	.0	.7
General merchandise stores	4.2	4.0	4.1	.1	.1
Food stores	5.3	5.3	5.1	- .1	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.5	.0	- .1
Banking	1.9	1.9	1.9	.0	.0
SERVICES	37.1	36.8	35.8	.3	1.3
Health services	15.6	15.5	15.2	.1	.4
GOVERNMENT	19.2	18.7	18.6	.5	.6
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	16.0	15.6	15.5	.4	.5
Local government education	9.3	8.8	9.0	.5	.3
Local government, except education	6.7	6.8	6.5	- .1	.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

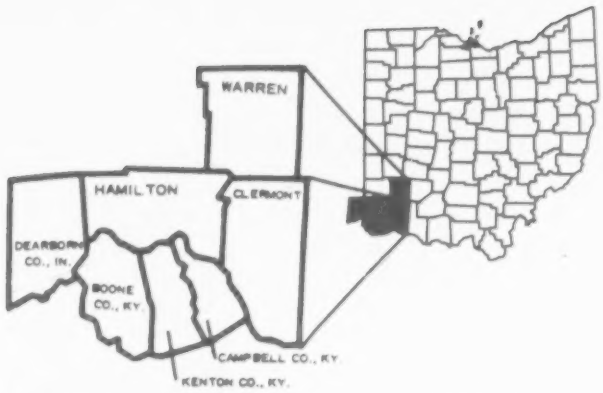
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$494.50	$487.34	$476.52	43.0	42.6	41.8	$11.50	$11.44	$11.40
Durable Goods[e]	526.68	516.03	494.16	44.0	43.4	42.2	11.97	11.89	11.71
Primary metal industries	589.68	583.53	567.23	45.5	45.2	43.3	12.96	12.91	13.10
Fabricated metal products	511.62	466.89	444.39	44.8	42.1	41.3	11.42	11.09	10.76
Metal forgings and stampings	566.91	568.10	611.46	41.2	40.9	40.9	13.76	13.89	14.95
Nondurable Goods[f]	396.80	400.39	419.99	40.0	40.2	40.5	9.92	9.96	10.37
Food and kindred products	398.43	398.71	419.93	38.2	37.9	39.1	10.43	10.52	10.74
Rubber and misc. plastics products	407.06	406.96	435.25	41.2	40.9	41.1	9.88	9.95	10.59
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	569.74	588.29	559.24	40.9	41.4	41.0	13.93	14.21	13.64
WHOLESALE TRADE	384.75	370.30	387.22	37.5	36.7	38.8	10.26	10.09	9.98
RETAIL TRADE[h]	160.37	160.11	155.27	29.0	28.9	28.7	5.53	5.54	5.41

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	1,542	1,771	1,099
Active File of Job Seekers	12,259	12,718	11,007
Referrals to Jobs	1,025	864	945
Placements	266	168	153
Job Openings Received	614	450	408
Job Openings Unfilled	2,249	2,300	518
Unemployment Insurance Program			
Initial Claims	1,534	1,250	1,787
Continued Claims	8,576	9,746	12,491
First Payments	573	753	627
Last Payments	165	210	243
Weeks Compensated	6,744	8,545	10,248
Benefits Paid	$934,564	$1,206,692	$1,417,484
Average Weekly Payment	$143.74	$146.42	$142.84

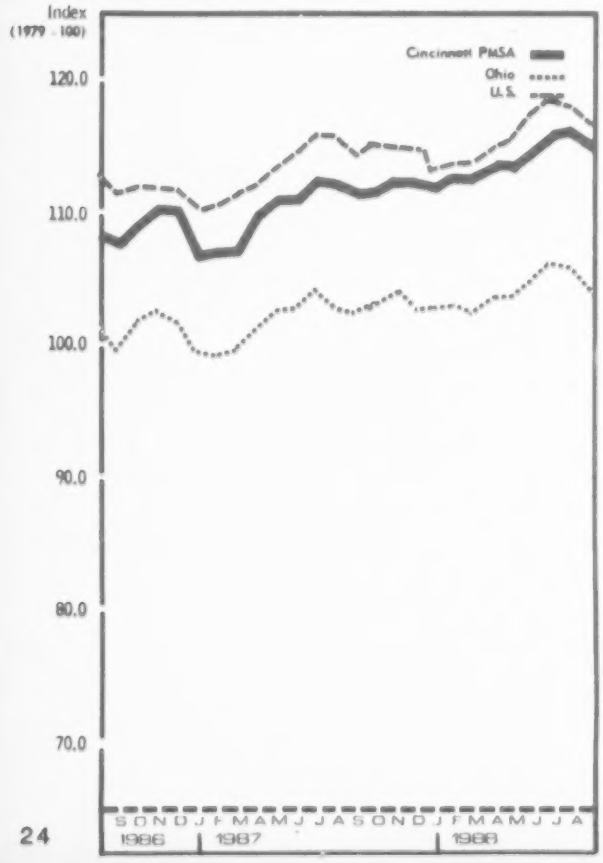
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



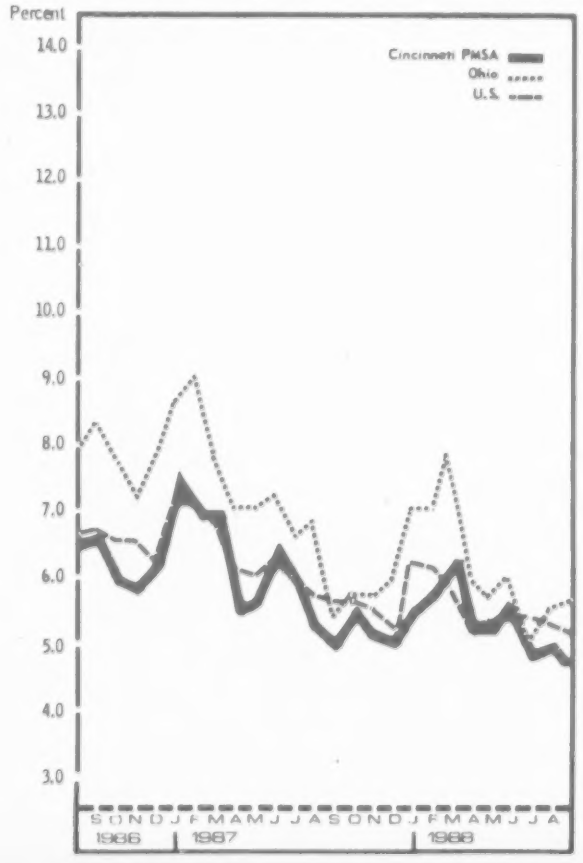
Nonfarm wage and salary employment in the Cincinnati metropolitan area rose 1,800 above the September level, to 712,400 in October 1988. Nonmanufacturing employment increased 2,700. The continued return of nonteaching personnel in state and local schools and colleges and moderate growth in retail trade more than offset seasonal declines in amusement and recreation services. Reductions in chemicals and allied products and scattered losses in durable-goods industries lowered manufacturing employment 900 over the month, to 144,500. Production workers averaged $11.29 per hour, up $.04 from September. Their average workweek of 43.1 hours was fractionally longer.

Nonagricultural payroll employment advanced 23,600 between October 1987 and October 1988. Expansion in nonmanufacturing industries accounted for most of the gain. Primary growth sectors were services and retail trade. Noteworthy improvements also occurred in construction, transportation and public utilities, and finance, insurance, and real estate. Manufacturing employment increased 500 over the year. Moderate gains were recorded in food and kindred products and electric and electronic equipment.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

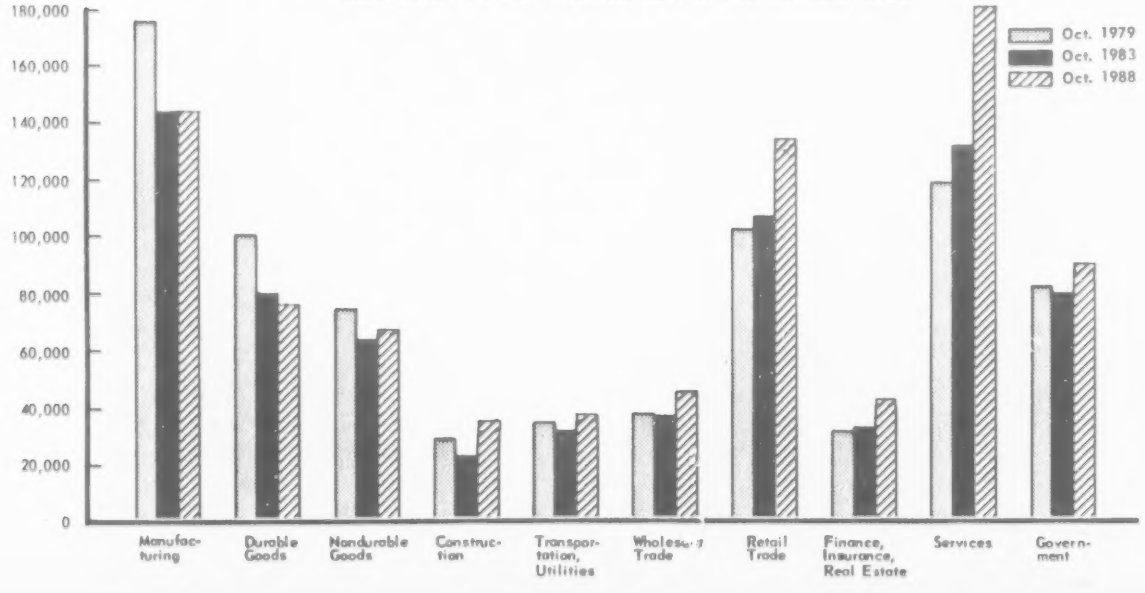


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
767.1	729.0	38.0	5.0	August	703.6	144.8	92.3	476.15	42.4	11.23
758.1	722.1	35.9	4.7	September	710.6	145.4	93.0	483.75	43.0	11.25
INA	INA	INA	INA	October	712.4	144.5	92.0	486.60	43.1	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	712.4	710.6	688.8	1.8	23.6
MANUFACTURING	144.5	145.4	144.1	- .9	.5
Durable Goods[e]	76.9	77.3	76.8	- .4	- .1
Fabricated metal products	10.0	10.0	10.3	.1	- .2
Fabricated structural metal products	3.8	3.7	4.1	.0	- .4
Machinery, except electrical	20.6	20.6	20.6	.0	.0
Metalworking machinery	8.0	8.0	8.2	.1	- .2
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.7	7.8	7.5	- .1	.2
Transportation equipment	24.3	24.3	24.4	.0	- .2
Motor vehicles and equipment	5.0	4.9	3.9	.0	1.1
Nondurable Goods[f]	67.6	68.1	67.3	- .5	.4
Food and kindred products	14.0	14.1	13.2	- .1	.7
Beverages	3.7	3.7	3.4	.0	.3
Apparel and other textile products	3.8	3.8	3.9	.0	- .2
Paper and allied products	6.1	6.0	6.1	.1	.0
Printing and publishing	13.3	13.3	13.3	.1	.0
Commercial printing	5.8	5.8	5.9	.0	.0
Chemicals and allied products	22.3[j]	22.9	22.5	- .6	- .2
Rubber and misc. plastics products	5.8	5.8	6.0	.0	- .2
NONMANUFACTURING[g]	567.9	565.2	544.7	2.7	23.2
CONSTRUCTION	35.5	35.1	32.7	.3	2.8
TRANSPORTATION AND PUBLIC UTILITIES	38.1	37.8	36.2	.3	1.8
Trucking and warehousing	11.2	11.0	10.1	.2	1.1
Communication, electric, gas services	15.1	15.1	15.0	- .1	.0
WHOLESALE TRADE	46.3	45.8	44.8	.5	1.5
Wholesale trade-durable goods	27.5	27.4	26.4	.2	1.1
RETAIL TRADE	134.1	132.4	128.7	1.7	5.5
General merchandise stores	18.1	17.8	18.3	.3	- .2
FINANCE, INSURANCE, AND REAL ESTATE	42.6	42.7	40.8	- .1	1.7
Banking	9.3	9.3	8.8	.0	.5
Insurance carriers	14.3	14.3	13.9	.0	.4
SERVICES	180.4	182.8	172.2	- 2.4	8.1
Hotels and other lodging places	6.9	7.2	6.5	- .2	.5
Personal services	8.9	8.9	8.5	.1	.4
Business services	45.6	45.3	41.6	.3	4.0
Amusement and recreation services	6.9	10.1	7.2	- 3.2	- .3
Health services	55.5	55.4	53.5	.2	2.1
Hospitals	26.3	26.1	25.5	.2	.8
GOVERNMENT	90.4	87.9	88.8	2.4	1.6
Federal government	15.4	15.4	14.9	.0	.5
State government	19.9	18.9	20.0	1.0	- .1
State government education[i]	12.2	11.1	12.3	1.1	- .1
State government, except education	7.7	7.8	7.8	- .1	.0
Local government	55.1	53.7	53.9	1.4	1.2
Local government education	31.6	30.3	31.2	1.3	.4
Local government, except education	23.4	23.4	22.7	.1	.7

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$486.60	$483.75	$467.41	43.1	43.0	43.0	$11.29	$11.25	$10.87
Durable Goods[e]	480.63	476.69	464.40	43.3	43.1	43.2	11.10	11.06	10.75
Fabricated metal products	436.87	435.60	424.77	43.6	43.3	43.3	10.02	10.06	9.81
Fabricated structural metal products	489.14	491.43	429.57	45.8	45.8	43.7	10.68	10.73	9.83
Machinery, except electrical	438.17	440.05	424.42	43.0	43.1	42.4	10.19	10.21	10.01
Metalworking machinery	480.90	491.70	453.06	44.2	44.7	41.3	10.88	11.00	10.97
General industrial machinery	406.99	431.10	456.06	41.7	43.9	46.3	9.76	9.82	9.85
Electric and electronic equipment	360.53	333.45	355.72	40.6	39.0	40.7	8.88	8.55	8.74
Transportation equipment	715.18	715.47	695.19	46.2	46.1	46.1	15.48	15.52	15.08
Motor vehicles and equipment	852.79	863.72	797.02	49.9	50.1	48.1	17.09	17.24	16.57
Nondurable Goods[f]	492.78	491.92	469.94	43.0	43.0	42.8	11.46	11.44	10.98
Food and kindred products	555.26	516.84	510.51	45.7	43.8	44.2	12.15	11.80	11.55
Beverages	509.61	509.21	520.00	40.9	40.9	41.5	12.46	12.45	12.53
Apparel and other textile products	235.30	226.94	226.16	38.7	38.4	40.1	6.08	5.91	5.64
Paper and allied products	451.44	447.62	434.61	44.0	44.1	43.9	10.26	10.15	9.90
Printing and publishing	451.09	477.25	458.28	39.5	41.5	40.7	11.42	11.50	11.26
Commercial printing	489.18	527.59	468.86	42.5	45.6	41.9	11.51	11.57	11.19
Chemicals and allied products	574.95	578.35	536.78	43.1	43.0	42.2	13.34	13.45	12.72
Rubber and misc. plastics products	445.44	434.93	444.15	46.4	45.4	47.0	9.60	9.58	9.45
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	576.69	574.87	551.86	40.9	40.8	40.4	14.10	14.09	13.66
WHOLESALE TRADE	419.84	416.56	389.09	41.0	41.0	40.7	10.24	10.16	9.56
RETAIL TRADE[h]	168.78	168.78	165.79	29.1	29.2	29.5	5.80	5.78	5.62
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	266.98	262.00	260.78	....	....	....	.....	.....	.....

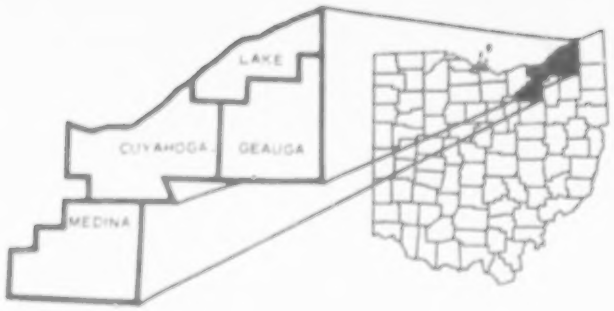
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	3,402	2,610	4,280
Active File of Job Seekers	20,459	20,901	21,333
Referrals to Jobs	2,389	1,917	2,833
Placements	760	357	1,147
Job Openings Received	1,394	1,859	1,980
Job Openings Unfilled	2,990	3,250	3,512
Unemployment Insurance Program			
Initial Claims	3,279	5,231	4,772
Continued Claims	23,768	27,417	39,438
First Payments	1,379	1,555	1,593
Last Payments	416	546	549
Weeks Compensated	18,163	22,239	35,570
Benefits Paid	$2,704,086	$3,354,924	$5,748,297
Average Weekly Payment	$151.49	$153.37	$164.63

[a]Ohio data only

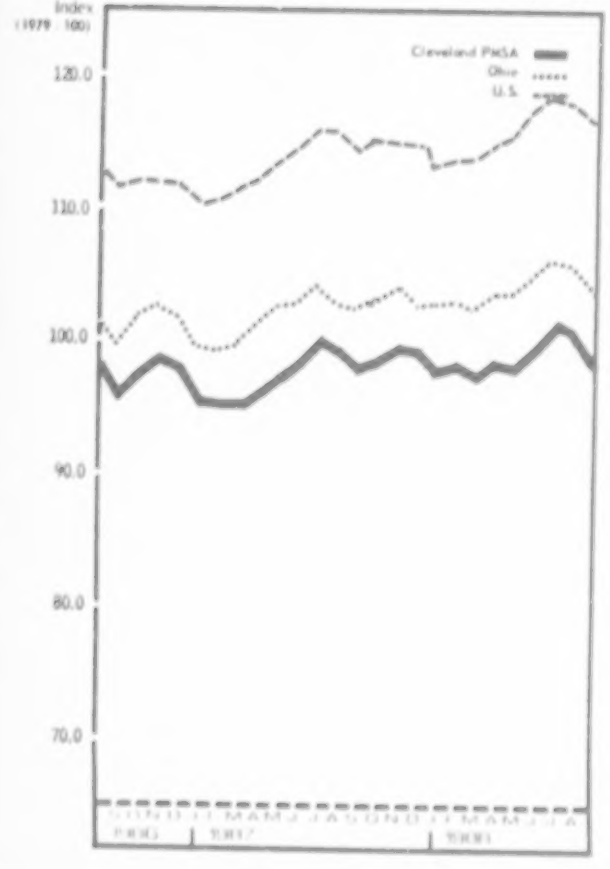
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



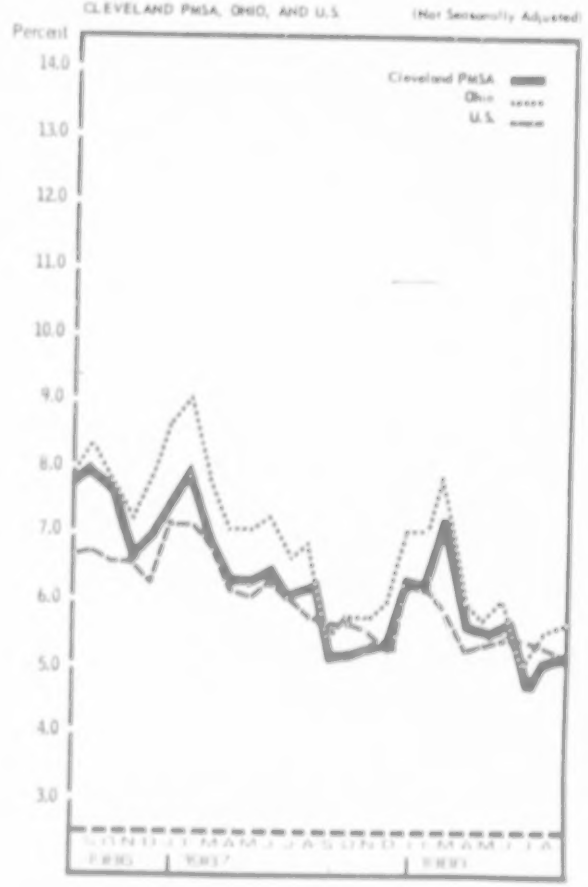
In the Cleveland metropolitan area, nonagricultural payroll employment increased 5,900 from September, to 924,800 in October 1988. The return of nonteaching personnel in state and local schools and colleges and seasonal growth in retail trade and services advanced nonmanufacturing employment 5,000 over the month. The manufacturing workforce rose 900, to 205,200, with modest improvements in transportation equipment, fabricated metal products, and nonelectrical machinery. Factory production worker average hourly earnings increased slightly from September, to $11.93 per hour. Their average workweek of 43.4 hours was .2 hours longer.

Total nonfarm wage and salary employment advanced 20,300 between October 1987 and October 1988. Marked expansion occurred in services (+8,400), retail trade (+5,600), and finance, insurance, and real estate (+2,400). Moderate growth in nonelectrical machinery, transportation equipment, and chemicals and allied products contributed to the increase of 2,800 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

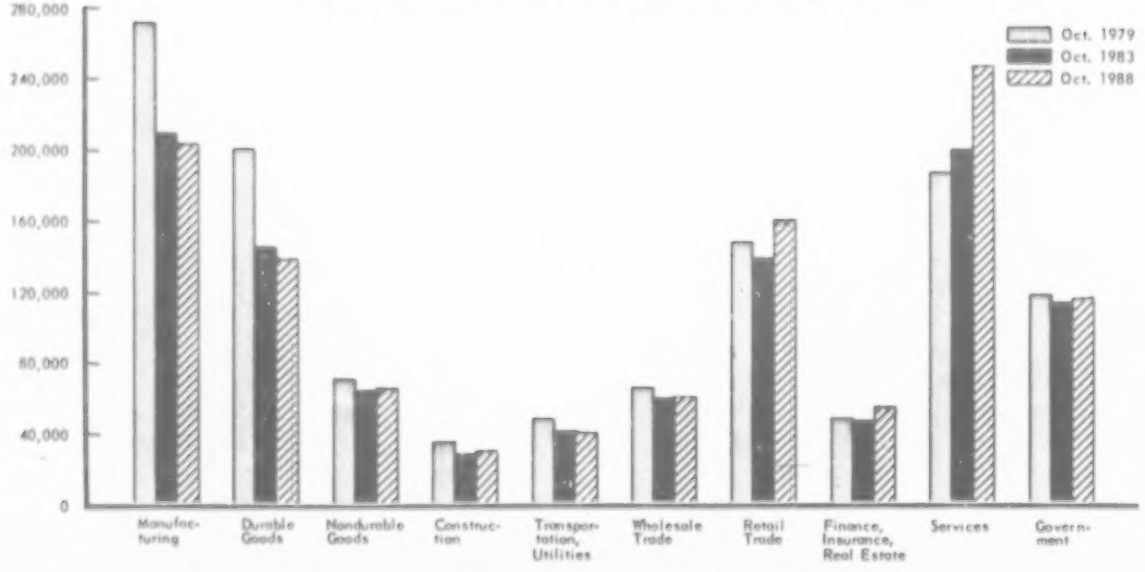


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
943.7	895.4	48.3	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
921.8	874.1	47.7	5.2	September	918.9	204.3	131.6	514.51	43.2	11.91
INA	INA	INA	INA	October	924.8	205.2	132.5	517.76	43.4	11.93

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	924.8	918.9	904.5	5.9	20.3
MANUFACTURING	205.2	204.3	202.4	.9	2.8
Durable Goods[e]	139.4	138.6	137.1	.8	2.3
Primary metal industries	21.1	21.1	21.0	.0	.0
Iron and steel foundries	5.0	5.1	5.1	- .1	- .1
Fabricated metal products	33.1	32.9	32.8	.2	.2
Fabricated structural metal products	4.3	4.3	4.2	.0	.1
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	11.6	11.3	11.4	.2	.2
Machinery, except electrical	29.9	29.7	29.1	.2	.8
Construction and related machinery	2.6	2.6	2.6	.0	.1
Metalworking machinery	9.8	9.7	9.6	.0	.2
Special industry machinery	2.7	2.7	2.8	.0	.0
General industrial machinery	3.2	3.1	3.0	.1	.2
Electric and electronic equipment	18.2	18.2	17.8	.0	.3
Electrical industrial apparatus	6.4	6.5	6.1	- .1	.3
Transportation equipment	19.6	19.2	19.1	.4	.5
Motor vehicles and equipment	12.6	12.2	12.0	.4	.6
Instruments and related products	6.3	6.3	6.4	.0	- .1
Measuring and controlling devices	4.1	4.1	4.2	.0	- .2
Nondurable Goods[f]	65.8	65.7	65.2	.1	.6
Food and kindred products	7.0	6.9	7.1	.1	.0
Apparel and other textile products	4.0	4.0	3.9	.0	.1
Paper and allied products	5.7	5.7	5.7	.0	.0
Printing and publishing	16.1	16.1	16.3	.0	- .2
Chemicals and allied products	15.3	15.4	14.8	.0	.5
Rubber and misc. plastics products	12.6	12.6	12.4	.0	.2
NONMANUFACTURING[g]	719.6	714.6	702.2	5.0	17.4
CONSTRUCTION	31.9	32.0	31.4	- .2	.4
TRANSPORTATION AND PUBLIC UTILITIES	41.6	41.4	41.5	.2	.1
Trucking and warehousing	12.6	12.4	12.1	.1	.5
Communication, electric, gas services	17.5	17.6	17.7	- .1	- .2
WHOLESALE TRADE	61.5	61.4	60.7	.1	.8
Wholesale trade-durable goods	42.1	42.0	41.9	.1	.3
RETAIL TRADE	162.2	161.1	156.6	1.1	5.6
General merchandise stores	21.3	20.8	21.1	.5	.2
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.3	55.0	.1	2.4
Banking	13.5	13.6	13.4	- .1	.1
Credit agencies other than banks	8.7	8.8	8.7	- .1	.0
Insurance carriers	14.6	14.4	13.8	.2	.9
SERVICES	247.2	246.1	238.8	1.1	8.4
Business services	57.5	57.4	54.5	.1	3.0
Amusement and recreation services	8.0	9.5	8.0	- 1.5	.0
Health services	77.1	76.8	75.8	.3	1.3
Hospitals	42.6	42.5	43.0	.1	- .3
GOVERNMENT	116.7	114.2	117.0	2.5	- .3
Federal government	20.5	20.5	20.2	.1	.3
State government	8.2	7.7	8.2	.5	.0
State government education[i]	3.2	2.6	3.1	.6	.1
State government, except education	5.0	5.2	5.0	- .1	.0
Local government	88.0	86.0	88.7	2.0	- .7
Local government education	43.9	42.1	45.2	1.8	- 1.3
Local government, except education	44.1	43.9	43.5	.2	.6

Hours & Earnings of Production or Nonsupervisory Workers[a]

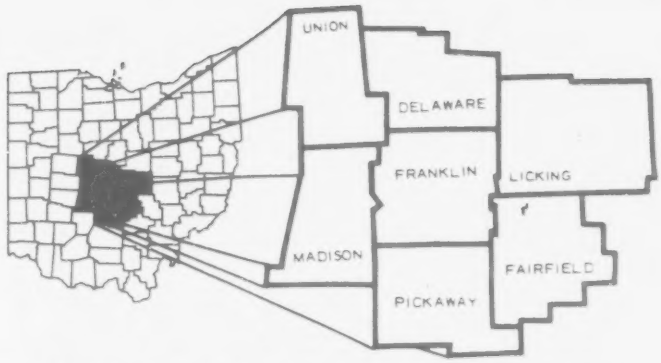
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$517.76	$514.51	$501.85	43.4	43.2	43.3	$11.93	$11.91	$11.59
Durable Goods[e]	556.70	555.89	538.36	44.5	44.4	44.2	12.51	12.52	12.18
Primary metal industries	592.28	587.06	592.39	46.2	45.9	46.1	12.82	12.79	12.85
Iron and steel foundries	917.16	886.35	816.22	50.7	49.6	47.9	18.09	17.87	17.04
Fabricated metal products	560.54	548.88	536.99	44.7	44.3	43.8	12.54	12.39	12.26
Fabricated structural metal products	417.74	414.39	384.69	41.9	41.9	39.7	9.97	9.89	9.69
Screw machine products, bolts, etc.	548.40	556.06	508.08	45.7	46.3	46.4	12.00	12.01	10.95
Metal forgings and stampings	720.27	698.63	681.39	47.7	46.7	45.7	15.10	14.96	14.91
Machinery, except electrical	530.27	514.72	497.80	44.3	43.4	43.4	11.97	11.86	11.47
Construction and related machinery	392.84	404.61	423.57	42.7	43.6	46.7	9.20	9.28	9.07
Metalworking machinery	477.97	462.04	441.98	42.6	41.7	41.5	11.22	11.08	10.65
Special industry machinery	479.94	465.20	504.25	42.1	40.7	40.6	11.40	11.43	12.42
General industrial machinery	525.92	527.57	504.19	46.5	46.4	44.5	11.31	11.37	11.33
Electric and electronic equipment	449.45	458.64	455.61	41.5	42.0	42.7	10.83	10.92	10.67
Electrical industrial apparatus	523.71	528.12	516.65	44.8	45.1	44.5	11.69	11.71	11.61
Transportation equipment	744.87	773.22	723.93	46.7	47.7	47.1	15.95	16.21	15.37
Motor vehicles and equipment	828.24	869.26	789.18	47.6	49.0	47.8	17.40	17.74	16.51
Instruments and related products	404.84	408.62	402.69	41.1	41.4	41.6	9.85	9.87	9.68
Measuring and controlling devices	446.05	443.52	404.81	42.4	42.2	40.4	10.52	10.51	10.02
Nondurable Goods[f]	424.32	417.15	417.96	40.8	40.5	41.3	10.40	10.30	10.12
Food and kindred products	422.42	402.19	367.84	42.2	40.3	41.8	10.01	9.98	8.80
Apparel and other textile products	331.69	327.92	323.59	39.3	39.7	38.8	8.44	8.26	8.34
Paper and allied products	472.37	490.35	470.68	41.4	42.9	42.1	11.41	11.43	11.18
Printing and publishing	406.64	394.93	432.52	36.9	36.5	39.9	11.02	10.82	10.84
Chemicals and allied products	500.65	502.47	509.22	42.5	42.8	42.9	11.78	11.74	11.87
Rubber and misc. plastics products	386.96	378.59	375.16	42.9	42.3	42.2	9.02	8.95	8.89
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	600.06	608.81	585.40	41.1	41.5	41.4	14.60	14.67	14.14
WHOLESALE TRADE	428.76	427.19	405.27	39.3	39.3	39.5	10.91	10.87	10.26
RETAIL TRADE[h]	187.71	188.76	185.45	28.1	28.3	28.4	6.68	6.67	6.53
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	300.02	306.30	296.79	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	345.03	347.07	343.31	31.8	31.9	31.7	10.85	10.88	10.83

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	4,447	3,953	5,964
Active File of Job Seekers	53,102	54,399	59,045
Referrals to Jobs	2,021	2,088	2,634
Placements	403	318	425
Job Openings Received	1,231	1,123	1,391
Job Openings Unfilled	4,160	4,293	2,624
Unemployment Insurance Program			
Initial Claims	5,544	4,610	6,325
Continued Claims	38,295	42,280	51,324
First Payments	2,616	2,384	2,516
Last Payments	326	858	994
Weeks Compensated	31,265	35,726	44,791
Benefits Paid	$4,740,768	$5,340,392	$6,460,162
Average Weekly Payment	$154.58	$152.54	$147.11

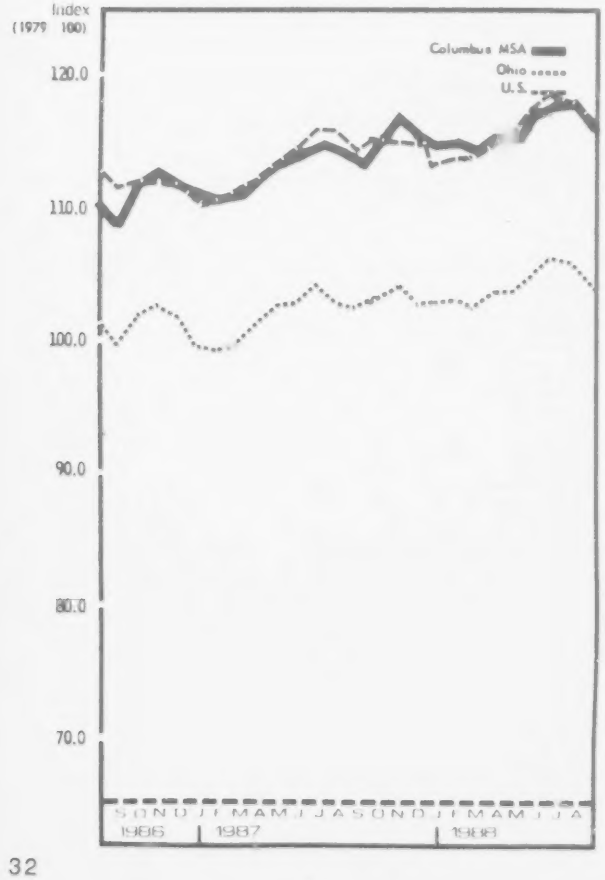
COLUMBUS METROPOLITAN STATISTICAL AREA



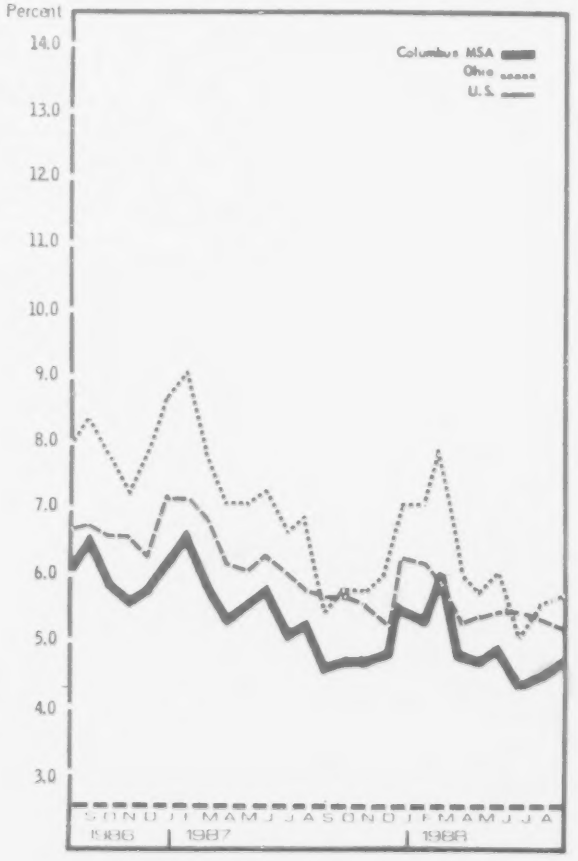
Nonfarm wage and salary employment in the Columbus metropolitan area rose 8,500 above the September level, to 695,200 in October 1988. The return of nonteaching personnel in state and local schools and colleges and more business in retail trade increased nonmanufacturing employment 8,700. Manufacturing employment declined 200 over the month, to 104,000. Reductions in transportation equipment outweighed modest gains in stone, clay, and glass products, fabricated metal products, and rubber and miscellaneous plastics products. Factory production worker average hourly earnings increased slightly from last month, to $11.65 per hour. Their average workweek of 41.7 hours was .3 hours longer.

Nonagricultural payroll employment advanced 25,000 between October 1987 and October 1988. Significant expansion occurred in services, retail trade, state and local government, and construction. Manufacturing employment increased 1,100 over the year. Modest improvements were recorded in fabricated metal products and rubber and miscellaneous plastics products, while employment in stone, clay, and glass products declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



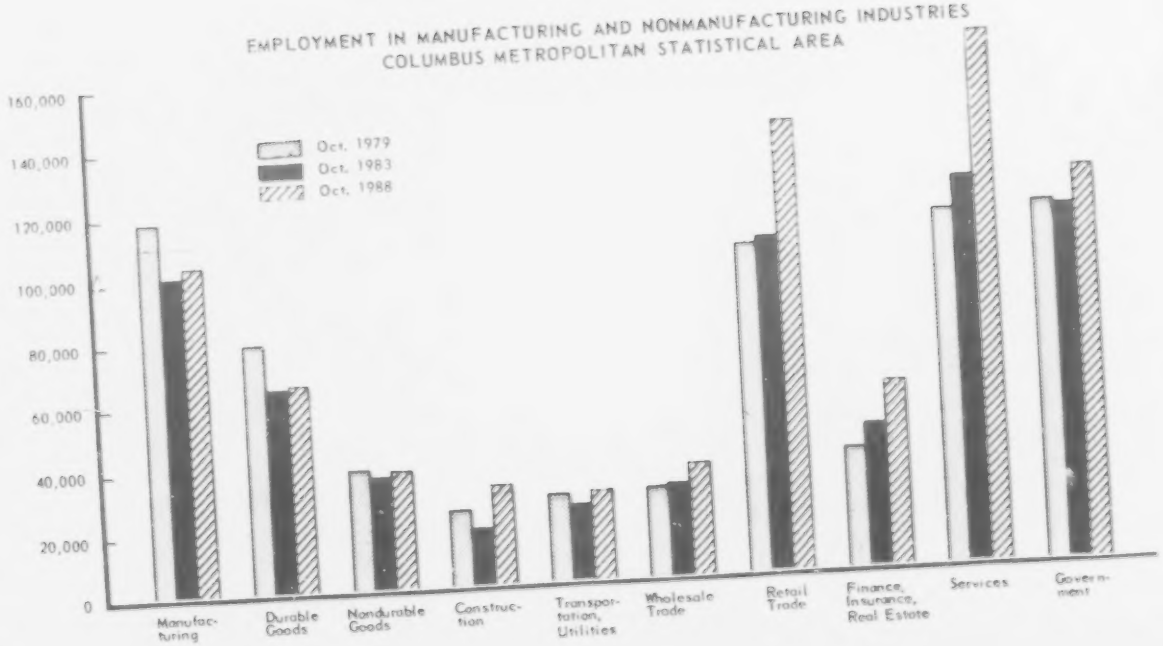
COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
714.3	682.1	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8	11.56
702.5	669.8	32.7	4.7	September	686.7	104.2	67.9	481.48	41.4	11.63
INA	INA	INA	INA	October	695.2	104.0	67.8	485.81	41.7	11.65

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Changed (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	695.2	686.7	670.3	8.5	25.0
MANUFACTURING	104.0	104.2	102.9	- .2	1.1
Durable Goods[e]	65.6	65.9	65.1	- .3	.4
Stone, clay, and glass products	10.0	9.9	10.3	.1	- .3
Glass and glassware, pressed or blown	3.7	3.6	3.9	.2	- .1
Fabricated metal products	9.8	9.7	9.4	.1	.4
Fabricated structural metal products	3.0	2.9	3.0	.1	.0
Machinery, except electrical	9.2	9.2	9.2	.0	.0
Electric and electronic equipment	10.9	11.0	10.9	- .1	.0
Transportation equipment	13.3	13.8	13.3	- .4	.0
Instruments and related products	4.1	4.1	4.0	.0	.2
Nondurable Goods[f]	38.5	38.4	37.8	.1	.7
Food and kindred products	10.7	10.7	10.5	.0	.2
Printing and publishing	10.5	10.5	10.3	.0	.2
Chemicals and allied products	6.7	6.8	6.8	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.4	.1	.4
NONMANUFACTURING[g]	591.2	582.5	567.3	8.7	23.9
CONSTRUCTION	32.5	32.3	29.8	.2	2.7
TRANSPORTATION AND PUBLIC UTILITIES	29.2	29.2	28.5	.0	.7
Trucking and warehousing	12.4	12.3	11.9	.1	.5
Communication, electric, gas services	11.6	11.8	11.7	- .2	- .1
WHOLESALE TRADE	36.3	35.9	34.6	.4	1.6
Wholesale trade-durable goods	23.3	23.2	22.4	.1	.9
RETAIL TRADE	142.0	140.9	136.3	1.1	5.8
General merchandise stores	22.9	22.7	23.3	.3	- .4
FINANCE, INSURANCE, AND REAL ESTATE	59.7	59.9	57.9	- .2	1.8
Banking	12.1	12.1	11.8	.0	.4
Insurance carriers	23.6	23.5	22.9	.1	.7
SERVICES	166.9	166.2	158.4	.6	8.5
Business services	39.6	38.6	36.3	1.0	3.2
Health services	41.8	41.6	40.2	.2	1.5
Hospitals	18.4	18.4	17.8	.0	.7
GOVERNMENT	123.6	117.1	120.8	6.5	2.8
Federal government	14.7	14.7	15.5	.0	- .8
State government	55.2	49.7	53.7	5.5	1.5
State government education[i]	24.0	18.2	23.3	5.8	.7
State government, except education	31.2	31.4	30.4	- .3	.8
Local government	53.7	52.7	51.6	1.0	2.1
Local government education	32.9	32.1	31.1	.8	1.8
Local government, except education	20.8	20.6	20.5	.2	.3

Columbus MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

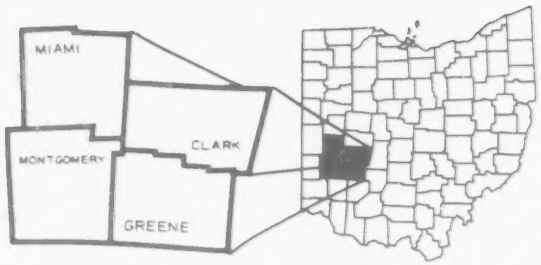
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$485.81	$481.48	$483.91	41.7	41.4	42.3	$11.65	$11.63	$11.44
Durable Goods[e]	493.38	491.30	499.16	41.6	41.6	42.7	11.86	11.81	11.69
Stone, clay, and glass products	473.75	482.93	477.76	40.7	41.1	41.4	11.64	11.75	11.54
Glass and glassware, pressed or blown.	445.91	464.78	432.33	40.5	42.1	39.7	11.01	11.04	10.89
Fabricated metal products	518.73	510.88	522.37	41.3	41.2	42.4	12.56	12.40	12.32
Fabricated structural metal products	480.22	455.10	466.13	42.8	42.1	43.2	11.22	10.81	10.79
Machinery, except electrical	457.97	467.67	437.78	41.9	42.4	41.3	10.93	11.03	10.60
Electric and electronic equipment	452.08	451.67	464.71	40.4	40.4	40.8	11.19	11.18	11.39
Transportation equipment	612.05	586.28	655.67	43.5	42.3	46.8	14.07	13.86	14.01
Instruments and related products	410.12	408.56	423.23	38.8	38.8	40.5	10.57	10.53	10.45
Nondurable Goods[f]	470.54	462.07	454.43	41.9	41.0	41.5	11.23	11.27	10.95
Food and kindred products	444.29	443.69	438.00	41.6	41.7	40.0	10.68	10.64	10.95
Printing and publishing	563.36	559.60	538.14	40.5	40.0	40.1	13.91	13.99	13.42
Chemicals and allied products	559.20	547.55	543.99	41.7	41.2	42.4	13.41	13.29	12.83
Rubber and misc. plastics products	383.23	355.97	363.62	44.1	41.2	43.6	8.69	8.64	8.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	582.01	594.46	569.33	40.9	41.6	40.9	14.23	14.29	13.92
WHOLESALE TRADE	355.88	357.21	356.57	37.5	37.8	38.3	9.49	9.45	9.31
RETAIL TRADE[h]	183.90	185.71	176.79	28.6	29.2	28.7	6.43	6.36	6.16
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	266.15	267.75	261.84	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	350.55	355.34	338.18	34.1	34.6	34.9	10.28	10.27	9.69

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	4,478	4,013	5,991
Active File of Job Seekers	27,265	27,385	32,097
Referrals to Jobs	2,549	2,202	3,977
Placements	813	665	1,765
Job Openings Received	1,271	1,270	2,576
Job Openings Unfilled	2,191	2,612	3,147
Unemployment Insurance Program			
Initial Claims	4,160	3,108	4,310
Continued Claims	26,011	25,812	34,101
First Payments	1,912	1,716	1,877
Last Payments	449	478	564
Weeks Compensated	19,613	21,671	29,318
Benefits Paid	$3,052,003	$3,330,440	$4,593,548
Average Weekly Payment	$158.97	$157.16	$160.32

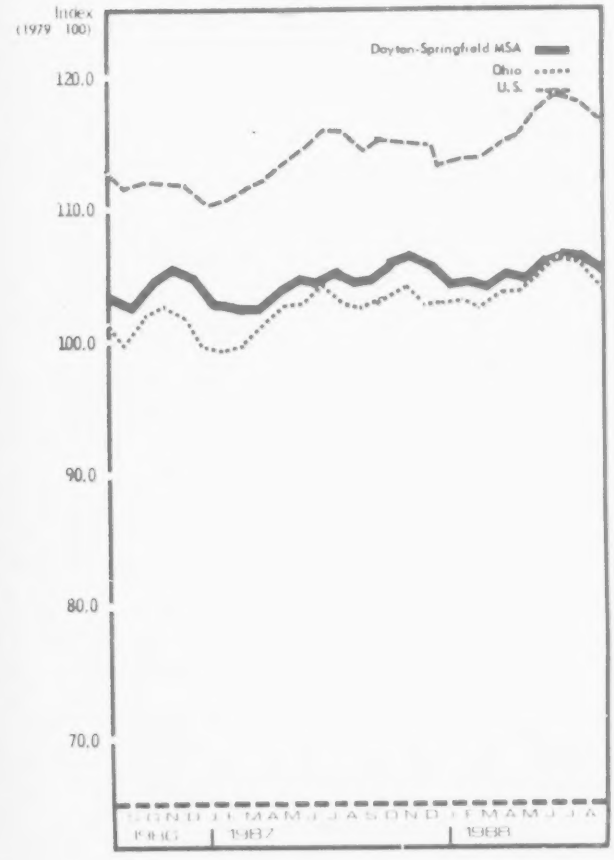
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



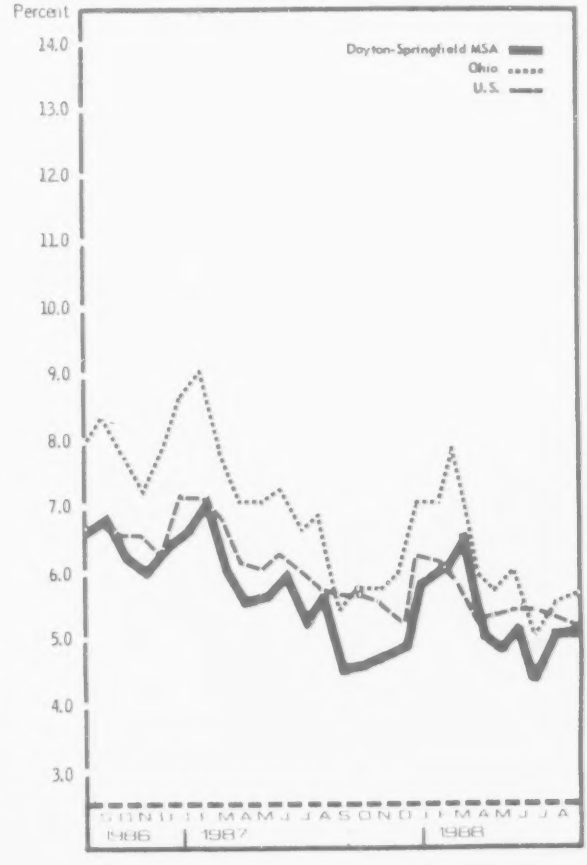
Nonagricultural payroll employment in the Dayton-Springfield metropolitan area totaled 445,500 in October 1988, up 1,700 from the September level. The improvement was concentrated in the nonmanufacturing sector as nonteaching personnel in state and local schools and colleges returned to work. Reductions in transportation equipment and scattered losses in nondurable-goods industries lowered manufacturing employment 500 over the month, to 103,500. Factory production worker average hourly earnings, at $12.90, increased $.23 from September. Their average workweek of 44.1 hours was .5 hours longer.

Total nonfarm wage and salary employment advanced 11,300 between October 1987 and October 1988. Primary growth industries were services (+4,500), retail trade (+3,100), and construction (+1,900). The manufacturing workforce declined 100 over the year. Reductions in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products negated growth in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

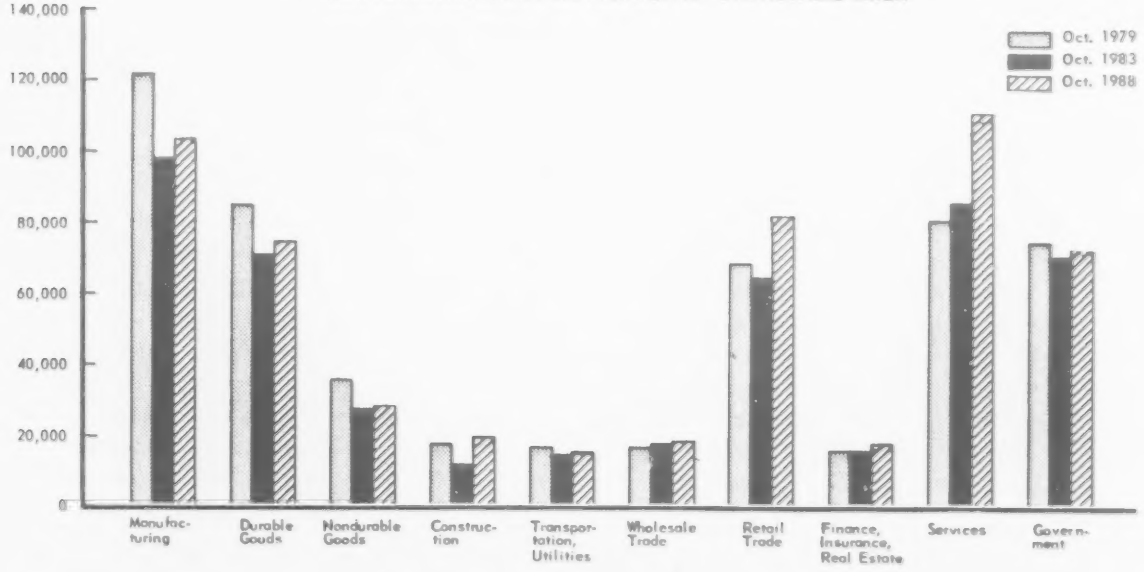


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
468.2	444.5	23.8	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
464.1	440.2	23.9	5.1	September	443.8	104.0	66.9	552.41	43.6	12.67
INA	INA	INA	INA	October	445.5	103.5	66.4	568.89	44.1	12.90

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	445.5	443.8	434.2	1.7	11.3
MANUFACTURING	103.5	104.0	103.6	- .5	- .1
Durable Goods[e]	74.8	75.0	74.5	- .2	.3
Fabricated metal products	8.2	8.4	8.3	- .1	- .1
Machinery, except electrical	30.9	30.8	30.2	.1	.7
Metalworking machinery	6.5	6.5	6.5	.0	.0
General industrial machinery	2.9	2.9	2.7	.0	.2
Electric and electronic equipment	5.5	5.6	5.9	- .1	- .3
Electrical industrial apparatus	3.3	3.4	3.4	.0	- .1
Transportation equipment	20.2	20.4	20.7	- .3	- .5
Nondurable Goods[f]	28.7	29.0	29.1	- .3	- .4
Food and kindred products	2.7	2.9	2.7	- .1	.0
Paper and allied products	6.0	6.1	6.1	- .1	- .1
Printing and publishing	8.6	8.7	8.5	- .1	.1
Rubber and misc. plastics products	7.8	7.8	8.0	- .1	- .3
NONMANUFACTURING[g]	342.0	339.8	330.7	2.2	11.4
CONSTRUCTION	20.0	20.0	18.1	.0	1.9
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.9	15.6	.0	.3
Communication, electric, gas services	5.1	5.3	5.4	- .1	- .3
WHOLESALE TRADE	19.4	19.3	18.8	.1	.6
Wholesale trade-durable goods	12.8	12.7	12.5	.1	.3
RETAIL TRADE	82.6	82.3	79.5	.3	3.1
General merchandise stores	12.3	12.2	12.4	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	18.3	18.3	17.9	.0	.4
Banking	4.2	4.2	4.3	.0	- .1
Credit agencies other than banks	4.7	4.8	4.7	- .1	.0
Insurance carriers	2.7	2.7	2.8	.0	- .1
SERVICES	111.5	111.2	107.0	.3	4.5
Business services	28.2	28.1	26.5	.1	1.6
Health services	37.1	36.9	36.3	.1	.8
Hospitals	18.8	18.9	18.8	- .1	.0
Educational services	8.8	8.3	8.3	.5	.5
GOVERNMENT	73.7	72.3	73.3	1.4	.4
Federal government	27.7	27.8	28.6	- .1	- .8
State government	7.1	6.5	6.4	.5	.7
State government education[i]	4.1	3.6	3.5	.5	.6
State government, except education	2.9	2.9	2.9	.0	.0
Local government	38.9	38.0	38.3	1.0	.6
Local government education	23.9	22.8	23.6	1.1	.2
Local government, except education	15.1	15.1	14.7	- .1	.4

Dayton-Springfield MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

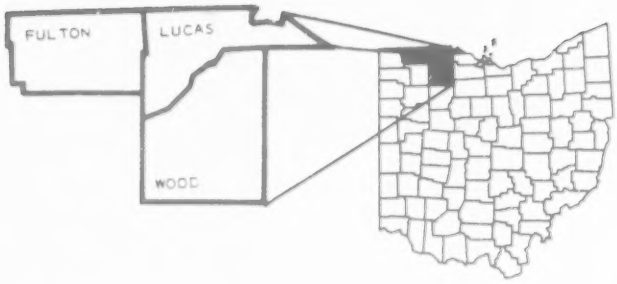
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$568.89	$552.41	$507.37	44.1	43.6	42.6	$12.90	$12.67	$11.91
Durable Goods[e]	583.84	560.64	512.98	44.5	43.8	42.5	13.12	12.80	12.07
Fabricated metal products	374.52	380.02	380.69	39.8	40.6	41.2	9.41	9.36	9.24
Machinery, except electrical	608.40	598.95	561.55	45.1	45.0	43.7	13.49	13.31	12.85
Metalworking machinery	591.00	585.68	551.89	47.7	47.5	45.8	12.39	12.33	12.05
General industrial machinery	479.57	506.21	455.34	43.4	45.4	42.2	11.05	11.15	10.79
Electric and electronic equipment	465.56	451.80	427.63	45.2	44.6	45.3	10.30	10.13	9.44
Electrical industrial apparatus	562.49	541.65	520.78	48.2	47.1	48.4	11.67	11.50	10.76
Transportation equipment	769.86	699.43	596.77	46.8	44.1	41.1	16.45	15.86	14.52
Nondurable Goods[f]	525.89	529.70	490.92	43.0	43.1	42.8	12.23	12.29	11.47
Food and kindred products	354.80	355.28	361.09	41.4	41.7	43.4	8.57	8.52	8.32
Paper and allied products	480.04	509.81	498.41	43.6	45.6	45.6	11.01	11.18	10.93
Printing and publishing	473.20	461.68	451.67	41.4	39.8	40.4	11.43	11.60	11.18
Rubber and misc. plastics products	729.80	719.52	630.29	44.5	43.9	43.2	16.40	16.39	14.59
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	554.45	554.04	546.07	40.5	40.5	40.3	13.69	13.68	13.55
WHOLESALE TRADE	409.64	405.90	430.98	40.2	39.6	41.6	10.19	10.25	10.36
RETAIL TRADE[h]	165.31	163.29	162.45	28.7	28.3	28.4	5.76	5.77	5.72
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	355.58	355.91	363.58	33.8	33.8	34.3	10.52	10.53	10.60

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. [j]Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [k]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,390	2,315	2,754
Active File of Job Seekers	11,147	12,538	19,739
Referrals to Jobs	1,922	1,665	1,456
Placements	479	725	318
Job Openings Received	1,205	1,109	978
Job Openings Unfilled	2,075	2,065	2,492
Unemployment Insurance Program			
Initial Claims	2,912	2,523	2,455
Continued Claims	16,913	18,407	18,356
First Payments	1,255	1,407	1,261
Last Payments	314	346	370
Weeks Compensated	13,639	16,098	17,940
Benefits Paid	$1,975,205	$2,323,997	$2,465,880
Average Weekly Payment	$147.49	$147.37	$140.36

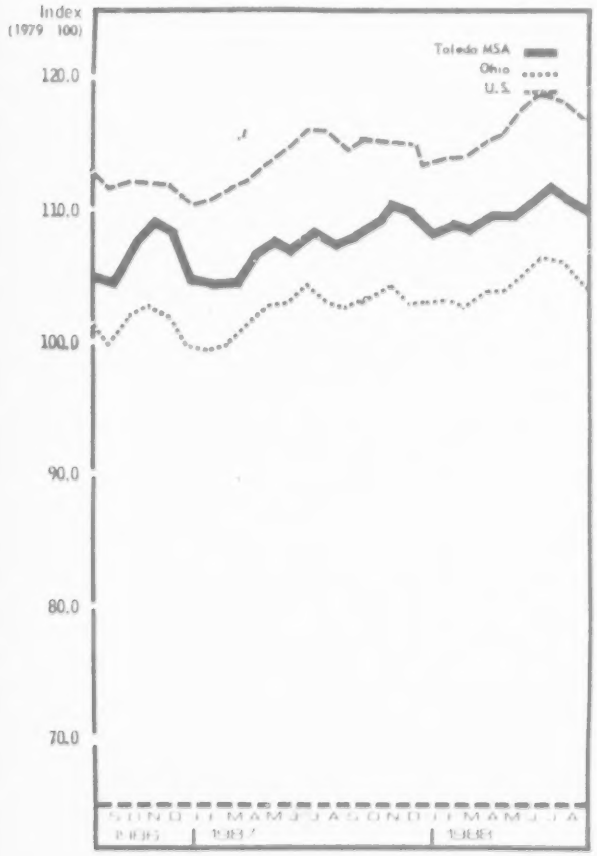
TOLEDO
METROPOLITAN STATISTICAL AREA



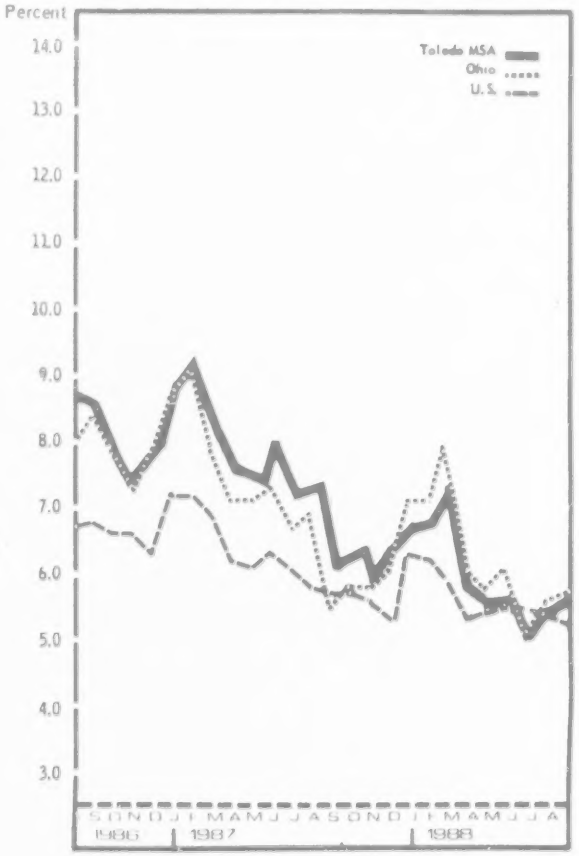
In the Toledo metropolitan area, total nonfarm payroll employment increased 2,200 from September, to 297,000 in October 1988. Nonmanufacturing employment rose 2,900 due to the continued return of nonteaching personnel in state and local schools and colleges and modest gains in retail trade and services. Seasonal reductions in food and kindred products lowered the manufacturing workforce 700 over the month, to 62,900. Factory production worker average hourly earnings, at $13.25, increased $.10 from last month. Their average workweek of 44.4 hours was .2 hours shorter.

Nonagricultural wage and salary employment advanced 11,200 between October 1987 and October 1988. Primary growth sectors were services, retail trade, and construction. Manufacturing industries added 1,400 workers over the year. Modest improvements occurred in fabricated metal products, primary metal industries, and rubber and miscellaneous plastics products, while employment in transportation equipment and electric and electronic equipment declined.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

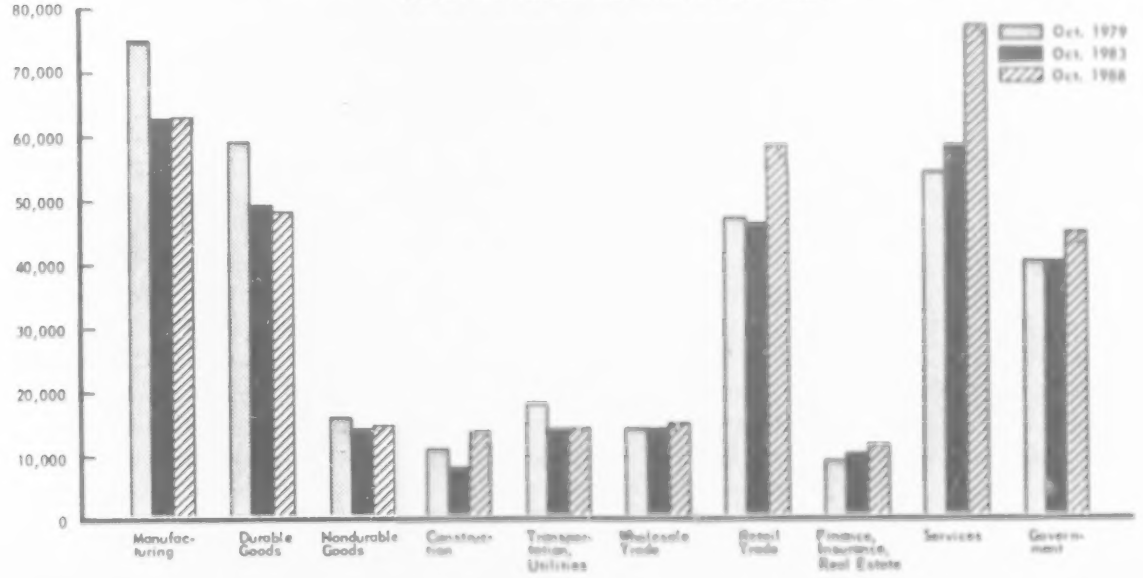


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	266.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
314.1	297.2	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
312.2	294.5	17.6	5.6	September	294.7	63.6	45.6	586.49	44.6	13.15
INA	INA	INA	INA	October	297.0	62.9	44.9	588.30	44.4	13.25

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	297.0	294.7	285.8	2.2	11.2
MANUFACTURING	62.9	63.6	61.6	-.7	1.4
Durable Goods[e]	48.4	48.4	47.3	.0	1.1
Stone, clay, and glass products	8.2	8.3	8.1	-.1	.1
Primary metal industries	3.6	3.6	3.3	.0	.3
Fabricated metal products	8.0	7.9	7.4	.1	.6
Metal forgings and stampings	3.4	3.4	3.2	.0	.2
Machinery, except electrical	6.2	6.2	6.0	-.1	.1
Electric and electronic equipment	2.1	2.0	2.1	.1	-.1
Transportation equipment	15.4	15.4	15.8	.0	-.4
Motor vehicles and equipment	14.4	14.4	14.9	.0	-.5
Nondurable Goods[f]	14.6	15.2	14.3	-.6	.3
Food and kindred products	3.8	4.3	3.7	-.6	.0
Rubber and misc. plastics products	3.2	3.3	2.9	-.1	.2
NONMANUFACTURING[g]	234.0	231.1	224.2	2.9	9.8
CONSTRUCTION	13.7	13.6	12.0	.1	1.7
TRANSPORTATION AND PUBLIC UTILITIES	14.1	14.1	14.1	.0	.0
Trucking and warehousing	5.6	5.5	5.6	.1	.0
Communication, electric, gas services	5.0	5.1	5.0	-.1	.0
WHOLESALE TRADE	15.3	15.3	14.9	.1	.4
Wholesale trade-durable goods	10.1	10.1	9.9	.0	.2
RETAIL TRADE	58.0	57.6	55.4	.4	2.5
General merchandise stores	8.0	7.7	7.8	.3	.2
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.3	11.5	.1	.0
Banking	3.6	3.6	3.6	.0	.0
SERVICES	76.8	76.4	72.7	.4	4.1
Business services	17.1	16.7	15.3	.3	1.7
Health services	27.7	27.6	27.1	.1	.6
Hospitals	15.3	15.1	15.3	.1	.0
GOVERNMENT	44.5	42.6	43.3	1.9	1.1
State government	16.8	15.4	16.4	1.4	.5
State government education[i]	12.6	11.2	12.4	1.4	.3
State government, except education	4.2	4.2	4.0	.0	.2
Local government	25.0	24.6	24.4	.4	.6
Local government education	14.3	13.9	14.0	.4	.3
Local government, except education	10.7	10.7	10.3	.0	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

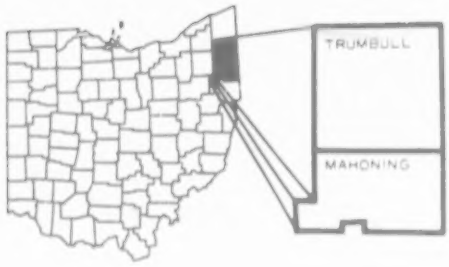
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$588.30	$586.49	$536.78	44.4	44.6	42.1	$13.25	$13.15	$12.75
Durable Goods[e]	608.34	608.34	559.15	44.6	44.6	42.2	13.64	13.64	13.25
Stone, clay, and glass products	525.57	512.48	508.28	40.9	40.1	40.5	12.85	12.78	12.55
Primary metal industries	503.97	504.13	491.00	43.9	44.3	43.8	11.48	11.38	11.21
Fabricated metal products	536.03	536.46	541.37	44.3	43.9	43.0	12.10	12.22	12.59
Metal forgings and stampings	630.63	645.98	686.60	42.9	43.5	45.5	14.70	14.85	15.09
Machinery, except electrical	515.23	509.92	487.21	42.9	42.6	41.5	12.01	11.97	11.74
Electric and electronic equipment	578.11	583.43	483.60	45.7	46.6	40.3	12.65	12.52	12.00
Transportation equipment	793.83	788.76	657.41	47.0	46.7	41.9	16.89	16.89	15.69
Motor vehicles and equipment	800.88	799.18	659.60	47.0	46.9	41.8	17.04	17.04	15.78
Nondurable Goods[f]	519.34	512.90	463.14	43.9	44.6	41.8	11.83	11.50	11.08
Food and kindred products	587.86	632.94	533.46	44.4	48.8	43.3	13.24	12.97	12.32
Rubber and misc. plastics products	345.95	361.63	326.02	40.7	43.0	40.2	8.50	8.41	8.11
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	605.07	610.06	593.89	41.5	41.9	41.3	14.58	14.56	14.38
WHOLESALE TRADE	400.14	386.06	353.81	39.5	38.8	37.8	10.13	9.95	9.36
RETAIL TRADE[h]	161.88	157.92	162.96	28.5	28.2	29.1	5.68	5.60	5.60

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,449	2,039	2,779
Active File of Job Seekers	17,082	16,676	16,108
Referrals to Jobs	1,833	1,441	1,882
Placements	658	470	575
Job Openings Received	1,055	951	1,048
Job Openings Unfilled	1,764	1,749	1,266
Unemployment Insurance Program			
Initial Claims	2,847	2,623	3,214
Continued Claims	14,134	15,889	21,229
First Payments	1,039	1,191	1,217
Last Payments	202	225	351
Weeks Compensated	11,310	13,517	16,392
Benefits Paid	$1,711,651	$2,015,180	$2,367,855
Average Weekly Payment	$155.35	$152.31	$148.05

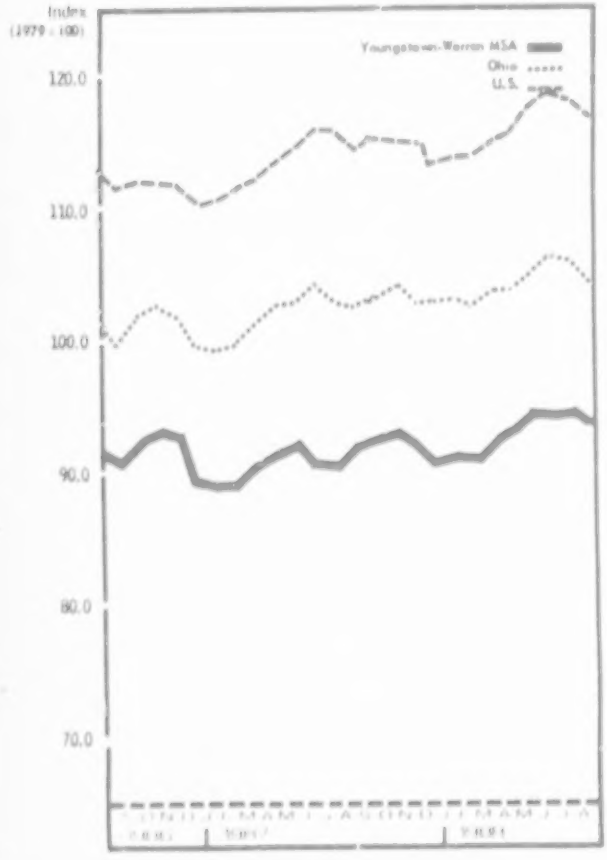
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



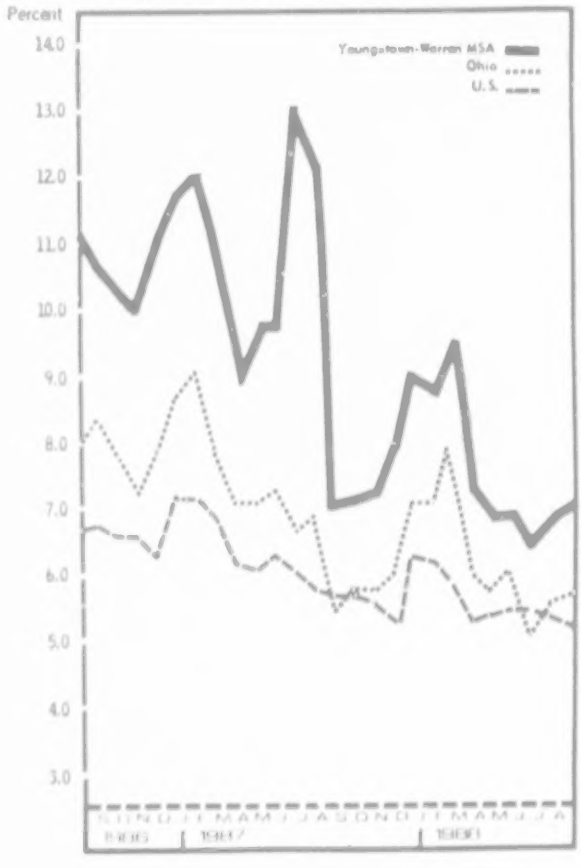
Nonagricultural payroll employment in the Youngstown-Warren metropolitan area increased 300 from September, to 198,500 in October 1988. The improvement was concentrated in the nonmanufacturing sector. The return of nonteaching personnel in state schools and colleges and modest growth in retail trade outweighed seasonal decreases in services. Reductions in primary metal industries and transportation equipment negated a slight increase in nondurable goods as manufacturing employment declined 100 over the month, to 51,200. Factory production workers averaged $13.63 per hour, up $.04 from September. Their average workweek, at 43.1 hours, was .3 hours shorter.

Total nonfarm wage and salary employment advanced 6,700 between October 1987 and October 1988. Primary growth industries were retail trade (+2,100) and services (+1,300). Moderate improvements also occurred in wholesale trade and construction. Expansion in nonelectrical machinery and fabricated metal products contributed to the increase of 1,500 manufacturing jobs over the year.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

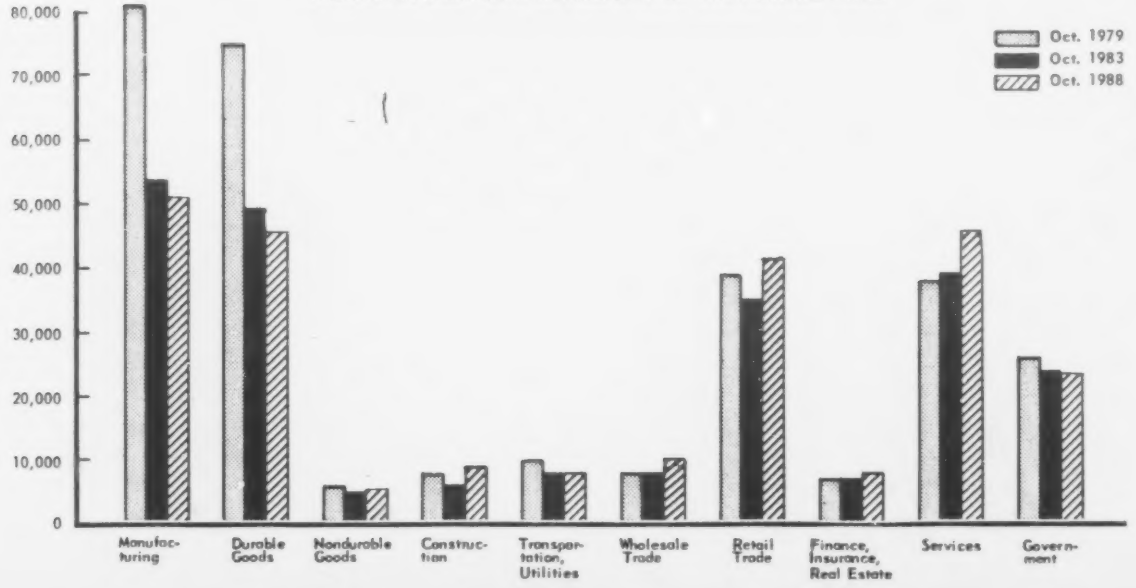


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.3	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
221.2	205.7	15.4	7.0	September	198.3	51.4	39.4	589.81	43.4	13.59
INA	INA	INA	INA	October	198.5	51.2	39.2	587.45	43.1	13.63

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	October 1988[b]	September 1988[c]	October 1987[c]	From Last Month	From Last Year
TOTAL	198.5	198.3	191.8	.3	6.7
MANUFACTURING	51.2	51.4	49.8	- .1	1.5
Durable Goods[e]	45.7	45.8	44.4	- .2	1.3
Primary metal industries	19.2	19.3	19.0	- .1	.2
Blast furnace and basic steel products	5.5	5.6	5.5	- .1	.0
Fabricated metal products	7.7	7.7	7.4	.0	.3
Machinery, except electrical	3.8	3.8	3.1[j]	.0	.7
Electric and electronic equipment	2.3	2.2	2.3	.1	.0
Transportation equipment	9.6	9.7	9.5	- .1	.1
Nondurable Goods[f]	5.6	5.5	5.4	.1	.2
NONMANUFACTURING[g]	147.3	146.9	142.0	.4	5.2
CONSTRUCTION	9.3	9.2	8.5	.0	.7
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.8	7.7	.0	.1
Communication, electric, gas services	2.9	3.0	3.0	.0	- .1
WHOLESALE TRADE	10.6	10.7	9.8	.0	.9
Wholesale trade-durable goods	6.5	6.5	6.2	.0	.3
RETAIL TRADE	41.3	40.9	39.2	.4	2.1
General merchandise stores	5.3	5.2	5.5	.1	- .2
FINANCE, INSURANCE, AND REAL ESTATE	8.3	8.4	8.2	- .1	.1
Banking	2.8	2.9	2.8	.0	.0
SERVICES	45.7	46.4	44.4	- .7	1.3
Health services	20.0	20.0	19.7	.1	.4
Hospitals	10.2	10.3	10.2	.0	.1
GOVERNMENT	23.6	22.8	23.6	.8	.0
State government	3.9	3.3	3.9	.7	.0
State government education[i]	2.5	1.8	2.5	.7	.0
State government, except education	1.4	1.5	1.5	- .1	.0
Local government	17.5	17.4	17.6	.1	- .1
Local government education	11.0	10.9	11.4	.1	- .4
Local government, except education	6.5	6.5	6.2	.0	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]	Oct. 1988[b]	Sept. 1988[c]	Oct. 1987[c]
MANUFACTURING	$587.45	$589.81	$566.67	43.1	43.4	42.8	$13.63	$13.59	$13.24
Durable Goods[e]	602.21	605.17	579.08	43.2	43.6	42.8	13.94	13.88	13.53
Primary metal industries	664.45	653.17	623.07	43.8	43.4	43.0	15.17	15.05	14.49
Blast furnace and basic steel products	620.16	610.16	626.55	45.6	45.5	45.7	13.60	13.41	13.71
Fabricated metal products	590.89	555.03	529.99	43.9	41.7	40.8	13.46	13.31	12.99
Machinery, except electrical	498.51	503.86	458.43	43.5	43.7	41.3	11.46	11.53	11.10
Electric and electronic equipment	457.15	469.96	450.96	41.0	41.7	40.3	11.15	11.27	11.19
Transportation equipment	621.03	668.84	645.07	42.8	46.0	45.3	14.51	14.54	14.24
Nondurable Goods[f]	425.52	425.15	433.25	41.8	41.6	41.9	10.18	10.22	10.34
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	579.96	563.58	547.68	40.9	40.4	40.3	14.18	13.95	13.59
WHOLESALE TRADE	376.75	371.84	341.03	39.7	39.6	37.6	9.49	9.39	9.07
RETAIL TRADE[h]	176.35	175.47	175.51	29.1	29.1	29.3	6.06	6.03	5.99

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1988	September 1988	October 1987
Employment Service Program			
New Applicants	2,554	2,736	2,193
Active File of Job Seekers	17,285	17,310	17,220
Referrals to Jobs	1,884	1,450	1,809
Placements	627	366	597
Job Openings Received	1,021	518	920
Job Openings Unfilled	925	1,279	901
Unemployment Insurance Program			
Initial Claims	2,687	2,170	3,322
Continued Claims	12,751	14,056	15,422
First Payments	853	1,278	784
Last Payments	198	220	303
Weeks Compensated	10,197	12,074	13,005
Benefits Paid	$1,433,810	$1,722,414	$1,726,378
Average Weekly Payment	$144.40	$145.91	$137.12

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	.40	.2
Manufacturing	.56	.3
Nonmanufacturing	.35	.2
Mining	.56	1.1
Construction	.17	1.1
Transportation and Public Utilities	.43	.3
Wholesale Trade	.19	.3
Retail Trade	.20	.4
Finance, Insurance, and Real Estate	.42	.2
Services	.26	.3
Government	.70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	October 1988	September 1988	October 1987
New Applicants	38,294	36,557	45,283
Active File of Job Seekers	247,110	249,362	281,582
Counseling Interviews	1,547	1,297	1,544
Tests Administered	2,175	2,089	4,706
General Aptitude Tests	261	268	220
Proficiency Tests	462	380	611
Specific Aptitude Tests	420	322	891
Referrals to Jobs	31,168	26,723	31,324
Placements	9,249	6,724	9,231
Job Openings Received	14,190	12,301	15,342
Job Openings Unfilled	25,809	28,473	22,078

Selected Unemployment Insurance Activities

	October 1988	September 1988	October 1987
Initial Claims	43,496	36,030	47,415
Continued Claims	250,873	274,747	321,042
First Payments	16,329	17,918	16,813
Last Payments	4,363	4,871	5,715
Average Weekly Claimants	61,116	64,414	73,510
Average Weekly Benefit Recipients	48,898	53,834	59,312
Weeks Compensated	197,380	232,742	276,992
Benefits Paid	$29,778,357	$35,206,112	$40,773,926
Average Weekly Payment	$154.44	$154.62	$151.00
Continued Claims for Survey Week	59,781	61,278	75,868
Insured Unemployment Rate	1.4	1.5	1.7
Net Contributions	$37,887,340	$3,092,776	$36,060,355
Active Employer Accounts	200,778	201,088	197,306

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